

SOLICITATION, OFFER AND AWARD			1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING DO-A3	PAGE OF PAGES 1 152	
2. CONTRACT NO.		3. SOLICITATION NO. N65540-03-R-0067		4. TYPE OF SOLICITATION [] SEALED BID (IFB) [X] NEGOTIATED (RFP)	5. DATE ISSUED 18 Jul 2003		6. REQUISITION/PURCHASE NO.
7. ISSUED BY NAVAL SURFACE WARFARE CENTER, CARDEROCK CODE 3351, STEPHEN ORCZEWSKI 5001 SOUTH BROAD ST. PHILADELPHIA PA 19112-1403			CODE N65540	8. ADDRESS OFFER TO (If other than Item 7) See Item 7		CODE	TEL: FAX:
NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".							
SOLICITATION							
9. Sealed offers in original and <u>1</u> copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in <u>Room 2900</u> until <u>16 00</u> local time <u>20 Aug 2003</u> (Hour) (Date)							
CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.							
10. FOR INFORMATION CALL:		A. NAME STEPHEN ORCZEWSKI		B. TELEPHONE (Include area code) (NO COLLECT CALLS) 215-897-7062		C. E-MAIL ADDRESS orczewskism@nswccd.navy.mil	
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OFFER (Must be fully completed by offeror)							
NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.							
12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.							
13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)							
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):				AMENDMENT NO.		DATE	
15A. NAME AND ADDRESS OF OFFEROR		CODE		FACILITY		16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	
15B. TELEPHONE NO (Include area code)		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>		17. SIGNATURE		18. OFFER DATE	
AWARD (To be completed by Government)							
19. ACCEPTED AS TO ITEMS NUMBERED		20. AMOUNT		21. ACCOUNTING AND APPROPRIATION			
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)() <input type="checkbox"/> 41 U.S.C. 253(c)()				23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)		ITEM	
24. ADMINISTERED BY (If other than Item 7)		CODE		25. PAYMENT WILL BE MADE BY		CODE	
26. NAME OF CONTRACTING OFFICER (Type or print)				27. UNITED STATES OF AMERICA (Signature of Contracting Officer)		28. AWARD DATE	

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

SECTION B Supplies or Services and Prices

This solicitation covers a proposed firm-fixed price requirements type contract on behalf of the Naval Surface Warfare Center, Carderock Division, Naval Ship Systems Engineering Station (NSWCCD-SSES), Philadelphia for the furnishing of Light Weight Modular Berths as either Berth Unit Kits or as Spare Parts. The resulting contract will provide for the actual furnishing of supplies by the issuance of delivery orders from the date of award through 1,096 days from the date of contract award. The quantities set forth below for the various line items are estimates only and is not a representation that such quantities will be required or ordered. The maximum limit of the Government's obligation to order and the contractor's obligation to deliver shall be the total contract price which will be the total of the extended amounts for all line items. Refer to Clauses 52.216-18, 52.216-19 and 52.216-21 herein. This solicitation is a small business set-aside in accordance with Clause 52.219-6 herein.

Subline items have been established to further identify elements with the solicitation line items as described below. Offerors are requested to propose unit prices and extended amounts for the various subline items on the basis of this structure. Failure to do so may result in rejection of your offer.

ITEM	DESCRIPTION
0001AA thru 0161AA	Light Weight Modular Berth (LWMB) Subassemblies ordered as part of a Berth Unit Kit within 365 days after date of contract (ADC).
0001AB thru 0161AB	LWMB Subassemblies ordered as part of a Berth Unit Kit within 366 to 731 days ADC.
0001AC thru 0161AC	LWMB Subassemblies ordered as part of a Berth Unit Kit within 732 to 1,096 days ADC.
0001AD thru 0161AD	LWMB Subassemblies ordered as a Spare Part within 365 days ADC.
0001AE thru 0161AE	LWMB Subassemblies ordered as a Spare Part within 366 to 731 days ADC.
0001AF thru 0161AF	LWMB Subassemblies ordered as a Spare Part within 732 to 1,096 days ADC.
0162AA	Berth Unit Kit Shock Hardening Cost ordered with 365 days ADC.
0162AB	Berth Unit Kit Shock Hardening Cost ordered with 366 to 731 days ADC.
0162AC	Berth Unit Kit Shock Hardening Cost ordered with 732 to 1,096 days ADC.
0163AA	Berth Unit Kit Packaging Cost ordered with 365 days ADC.
0163AB	Berth Unit Kit Packaging Cost ordered with 366 to 731 days ADC.
0163AC	Berth Unit Kit Packaging Cost ordered with 732 to 1,096 days ADC.
0164	Transportation Charges
0165AA	Preliminary LWMB Drawings
0165AB	Final LWMB Drawings
0165AC	Preliminary LWMB Drawings

0165AD	Preliminary Berth Unit Isometric Installation Drawing
0165AE	Final Berth Unit Isometric Installation Drawing
0165AF	LWMB First Article Test Procedure
0165AG	LWMB First Article Test Report
0165AH	LWMB High Impact Shock Test Procedure
0165AJ	LWMB High Impact Shock Test Report

Subline item numbers using the alpha characters AA, AB, AC, AD, AE and AF have been established to reflect the period during which Items 0001 through 0165 may be ordered. For example, the price for Item 0145AB should reflect the price for this item if ordered as a component of a Berth Unit ordered within the period from 366 to 731 days after the date of the resulting contract.

As indicated above, the Light Weight Modular Berth Subassemblies covered by Items 0001 through 0161 may be ordered as (1) part of a Berth Unit Kit, (under subline items using the alpha characters AA, AB and AC) or (2) as an individual spare part (under subline items using the alpha characters AD, AE and AF). The price of Items 0162AA, 0162AB and 0162AC shall consist of the price of meeting shock requirements (“Shock Hardening”) for a Berth Unit Kit and the price of Items 0163AA, 0163AB and 0163AC shall include the price of assembling and packing the individual subassemblies comprising a Berth Unit Kit. When a Berth Unit Kit is ordered, the price for the Berth Unit Kit shall be calculated by adding the appropriate unit prices for the individual Subassemblies comprising the Berth Unit Kit plus the price for a quantity of one each of Item 0163AA, 0163AB or 0163AC, which covers the price of assembling and packaging the various Subassemblies into a Berth Unit Kit. If the Government requires the Berth Unit Kit to be furnished under an order to meet the High Impact Shock requirements set forth in Appendix A to the “Technical Procurement Specification for Light Weight Modular Berths” contained in Section C of this solicitation, the price of a quantity of one each of Item 0162AA, 0162AB or 0162AC shall also be added to calculate the price for the Berth Unit Kit. Information concerning the Berth Identification (ID) Number (BIN or Find Number) that describes the combination of individual Subassemblies into a Berth Unit Kit is contained in the “Technical Procurement Specification for Light Weight Modular Berths” set forth in Section C hereof.

Item 0164 has been established to cover Transportation Charges for the Light Weight Modular Berths and Spare Parts covered by Items 0001 through 0161. The contractor will be reimbursed for all Transportation Charges under Item 0164. Orders issued under the resulting contract will include a not-to-exceed amount under Item 0164 for which the contractor may invoice in order to obtain reimbursement of all allowable and allocable Transportation Charges. As a result, Item 0164 has been designated in Section B as “Not Separately Priced” (NSP).

The Government reserves the right to waive the requirements for First Article Testing by the contractor in accordance with Clause 52.209-3 herein and to waive the requirements for contractor High Impact Shock Testing where the offeror has previously produced same or similar items that have been successfully subjected to First Article and/or High Impact Shock Testing. Items 0165AF and 0165AG respectively cover submission of the First Article Test Procedure and Test Report and Items 0165AH and 0165AJ respectively cover submission of the High Impact Shock Test Procedure and Test Report. Offerors requesting waiver of First Article and/or High Impact Shock Testing are requested to clearly indicate in their offer if a waiver of these requirements is being requested and to provide supporting documentation reflecting previous successful completion of First Article and/or High Impact Shock Testing of same or similar items.

Items 0165AA, 0165AC, 0165AD, 0165AF and 0165AH have been established as “Not Separately Priced.” Offerors are requested to include the price of Item 0165AA in the price of Item 0165AB, the price of Item 0165AD in the price of Item 0165AE, the price of Item 0165AF in the price of Item 0165AG and the price of Item 0165AH in the price of Item 0165AJ. The price of Item 0165AC shall be included in the price of Items 0001 through 0161.

As detailed in Section L, offerors are required to submit a Technical Proposal as part of any offer submitted in response to this solicitation. Failure to submit a Technical Proposal shall result in the rejection of any offer submitted. As stated in Section M of this solicitation, the Government intends to make an award to the low price technically acceptable offeror. Technical acceptability shall be determined on the basis of an evaluation of an offeror's Technical Capability, Corporate Experience, Inspection/Quality System and Past Performance.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	NSN 1H 2090-01-283-3104 SUBBASE, CREW, 2 1/2 INCHES, SIZE 1; DWG 5959312A, DET 63E & 59D, SIZE 1 PC#-QTY: 41-1, 125-1, 126- 1, 127-1, 128-1, 129-1, 130-4; SUBASSEMBLY NO. 63E0				
0001AA	SAME AS ITEM 0001	6	EA		
0001AB	SAME AS ITEM 0001	6	EA		
0001AC	SAME AS ITEM 0001	6	EA		
0001AD	SAME AS ITEM 0001	20	EA		
0001AE	SAME AS ITEM 0001	20	EA		
0001AF	SAME AS ITEM 0001	20	EA		
0002	NSN 1H 2090-01-283-3105 SUBBASE, CREW, 2 1/2 INCHES, SIZE 2; DWG 5959312A, DET 63E & 59D, SIZE 2 PC#-QTY: 41-1, 125-1, 126- 1, 127-1, 128-1, 129-1, 130-4; SUBASSEMBLY NO. 63E1				
0002AA	SAME AS ITEM 0002	6	EA		
0002AB	SAME AS ITEM 0002	6	EA		
0002AC	SAME AS ITEM 0002	6	EA		
0002AD	SAME AS ITEM 0002	1232	EA		
0002AE	SAME AS ITEM 0002	1232	EA		
0002AF	SAME AS ITEM 0002	1232	EA		

0003	NSN 1H 2090-01-285-1844 SUBBASE, CREW, 2 1/2 INCHES, SIZE 3; DWG 5959312A, DET 63E & 59D, SIZE 3 PC#-QTY: 41-1, 125-1, 126- 1, 127-1, 128-1, 129-1, 130-4; SUBASSEMBLY NO. 63E2		
0003AA	SAME AS ITEM 0003	6	EA
0003AB	SAME AS ITEM 0003	6	EA
0003AC	SAME AS ITEM 0003	6	EA
0003AD	SAME AS ITEM 0003	148	EA
0003AE	SAME AS ITEM 0003	148	EA
0003AF	SAME AS ITEM 0003	148	EA
0004	NSN 1H 2090-01-283-3112 SUBBASE, CPO, 2 1/2 INCHES, SIZE 4; DWG 5959312A, DET 63E & 59D, SIZE 4 PC#-QTY: 41-1, 125-1, 126-1, 127-1, 128-1, 129-1, 130-4; SUBASSEMBLY NO. 63E6		
0004AA	SAME AS ITEM 0004	2	EA
0004AB	SAME AS ITEM 0004	2	EA
0004AC	SAME AS ITEM 0004	2	EA
0004AD	SAME AS ITEM 0004	73	EA
0004AE	SAME AS ITEM 0004	73	EA
0004AF	SAME AS ITEM 0004	73	EA
0005	NSN 1H 2090-01-283-3113 SUBBASE, CPO, 2 1/2 INCHES, SIZE 5; DWG 5959312A, DET 63E & 59D, SIZE 5 PC#-QTY: 41-1, 125-1, 126- 1, 127-1, 128-1, 129-1, 130-4; SUBASSEMBLY NO. 63E7		
0005AA	SAME AS ITEM 0005	6	EA
0005AB	SAME AS ITEM 0005	6	EA
0005AC	SAME AS ITEM 0005	6	EA
0005AD	SAME AS ITEM 0005	16	EA
0005AE	SAME AS ITEM 0005	16	EA

0005AF	SAME AS ITEM 0005	16	EA
0006	NSN 1H 2090-01-283-3114 SUBBASE, CREW, 4 INCH, SIZE 1; DWG 5959312A, DET 63D & 59D, SIZE 1 PC#-QTY: 42-1, 125-1, 126- 1, 127-1, 128-1, 129-1, 130-4; SUBASSEMBLY NO. 63D0		
0006AA	SAME AS ITEM 0006	6	EA
0006AB	SAME AS ITEM 0006	6	EA
0006AC	SAME AS ITEM 0006	6	EA
0006AD	SAME AS ITEM 0006	6	EA
0006AE	SAME AS ITEM 0006	6	EA
0006AF	SAME AS ITEM 0006	6	EA
0007	NSN 1H 2090-01-283-3117 SUBBASE, CREW, 4 INCH, SIZE 2; DWG 5959312A, DET 63D & 59D SIZE 2 PC#-QTY: 42-1, 125-1, 126- 1, 127-1, 128-1, 129-1, 130-4; SUBASSEMBLY NO. 63D1		
0007AA	SAME AS ITEM 0007	6	EA
0007AB	SAME AS ITEM 0007	6	EA
0007AC	SAME AS ITEM 0007	6	EA
0007AD	SAME AS ITEM 0007	6	EA
0007AE	SAME AS ITEM 0007	6	EA
0007AF	SAME AS ITEM 0007	6	EA
0008	NSN 1H 2090-01-283-3118 SUBBASE, CREW, 4 INCH, SIZE 3; DWG 5959312A, DET 63D & 59D, SIZE 3 PC#-QTY: 42-1, 125-1, 126- 1, 127-1, 129-1, 130-4; SUBASSEMBLY NO. 63D2		
0008AA	SAME AS ITEM 0008	6	EA
0008AB	SAME AS ITEM 0008	6	EA
0008AC	SAME AS ITEM 0008	6	EA
0008AD	SAME AS ITEM 0008	6	EA

0008AE	SAME AS ITEM 0008	6	EA
0008AF	SAME AS ITEM 0008	6	EA

0009 NSN 1H 2090-01-283-3119
 SUBBASE, CPO, 4 INCH,
 SIZE 4; DWG 5959312A,
 DET 63D & 59D, SIZE 4;
 PC#-QTY: 42-1, 125-1, 126-
 1, 127-1, 128-1, 129-1, 130-4;
 SUBASSEMBLY NO. 63D6

0009AA	SAME AS ITEM 0009	6	EA
0009AB	SAME AS ITEM 0009	6	EA
0009AC	SAME AS ITEM 0009	6	EA
0009AD	SAME AS ITEM 0009	6	EA
0009AE	SAME AS ITEM 0009	6	EA
0009AF	SAME AS ITEM 0009	6	EA

0010 NSN 1H 2090-01-283-3120
 SUBBASE, CPO, 4 INCH,
 SIZE 5; DWG 5959312A,
 DET 63D & 59D, SIZE 5;
 PC#-QTY: 42-1, 125-1, 126-
 1, 127-1, 128-1, 129-1, 130-4;
 SUBASSEMBLY NO. 63D7

0010AA	SAME AS ITEM 0010	6	EA
0010AB	SAME AS ITEM 0010	6	EA
0010AC	SAME AS ITEM 0010	6	EA
0010AD	SAME AS ITEM 0010	6	EA
0010AE	SAME AS ITEM 0010	6	EA
0010AF	SAME AS ITEM 0010	6	EA

0011 NSN 1H 2090-01-283-3131
 HEAD/FOOT BOARD,
 CREW/TROOP, 3 HIGH, 3
 LOCKER, 18 INCH
 SPACING;
 DWG 5959312A, DET 20A,
 TYPE 1, STYLE 1;
 PC#-QTY: 1-2, 2-2, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-2,
 141-1
 SUBASSEMBLY NO. 20A1

0011AA	SAME AS ITEM 0011	962	EA
0011AB	SAME AS ITEM 0011	962	EA
0011AC	SAME AS ITEM 0011	962	EA
0011AD	SAME AS ITEM 0011	220	EA
0011AE	SAME AS ITEM 0011	220	EA
0011AF	SAME AS ITEM 0011	220	EA

0012 NSN 1H 2090-01-284-4359
 HEAD/FOOT BOARD,
 CREW/TROOP, 3 HIGH, 3
 LOCKER, 20 INCH
 SPACING; DWG
 5959312A, DET 20A, TYPE
 1, STYLE 2;
 PC#-QTY: 1-2, 2-2, 3-1, 69-4,
 70-4, 79-7, 81-2, 83-1, 84-2,
 141-1;
 SUBASSEMBLY NO. 20A2

0012AA	SAME AS ITEM 0012	638	EA
0012AB	SAME AS ITEM 0012	638	EA
0012AC	SAME AS ITEM 0012	638	EA
0012AD	SAME AS ITEM 0012	6	EA
0012AE	SAME AS ITEM 0012	6	EA
0012AF	SAME AS ITEM 0012	6	EA

0013 NSN 1H 2090-01-283-3359
 HEAD/FOOT BOARD,
 CREW/TROOP, 3 HIGH, 2
 LOCKER, 18 INCH
 SPACING;
 DWG 5959312A, DET 20A,
 TYPE II, STYLE 1;
 PC#-QTY: 1-2, 2-2, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-2,
 141-1;
 SUBASSEMBLY NO. 20A3

0013AA	SAME AS ITEM 0013	662	EA
0013AB	SAME AS ITEM 0013	662	EA
0013AC	SAME AS ITEM 0013	662	EA
0013AD	SAME AS ITEM 0013	6	EA
0013AE	SAME AS ITEM 0013	6	EA
0013AF	SAME AS ITEM 0013	6	EA

0014	NSN 1H 2090-01-284-4294 HEAD/FOOT BOARD, CREW/TROOP, 3 HIGH, 2 LOCKER, 20 INCH SPACING; DWG 5959312A, DET 20A, TYPE II, STYLE 2; PC#-QTY: 1-2, 2-2, 3-1, 69-4, 70-4, 79-6, 81-2, 83-1, 84-2, 141-1; SUBASSEMBLY NO. 20A4		
0014AA	SAME AS ITEM 0014	176	EA
0014AB	SAME AS ITEM 0014	176	EA
0014AC	SAME AS ITEM 0014	176	EA
0014AD	SAME AS ITEM 0014	6	EA
0014AE	SAME AS ITEM 0014	6	EA
0014AF	SAME AS ITEM 0014	6	EA

0015	NSN 1H 2090-01-286-4779 HEAD/FOOT BOARD, CREW/TROOP, 3 HIGH, 1 LOCKER, 18 INCH SPACING DWG 5959312A, DET 20A, TYPE III, STYLE 1; PC#-QTY: 1-2, 2-2, 3-1, 69-4, 70-4, 79-6, 81-2, 83-1, 84-2, 141-1; SUBASSEMBLY NO. 20A5		
0015AA	SAME AS ITEM 0015	128	EA
0015AB	SAME AS ITEM 0015	128	EA
0015AC	SAME AS ITEM 0015	128	EA
0015AD	SAME AS ITEM 0015	6	EA
0015AE	SAME AS ITEM 0015	6	EA
0015AF	SAME AS ITEM 0015	6	EA

0016	NSN 1H 2090-01-284-4317 HEAD/FOOT BOARD, CREW/TROOP, 3 HIGH, 1 LOCKER, 20 INCH SPACING; DWG 5959312A, DET 20A, TYPE III, STYLE 2; PC#-QTY: 1-2, 2-2, 3-1, 69-4,		
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70-4, 79-6, 81-2, 83-1, 84-2,
141-1
SUBASSEMBLY NO. 20A6

0016AA	SAME AS ITEM 0016	96	EA
0016AB	SAME AS ITEM 0016	96	EA
0016AC	SAME AS ITEM 0016	96	EA
0016AD	SAME AS ITEM 0016	6	EA
0016AE	SAME AS ITEM 0016	6	EA
0016AF	SAME AS ITEM 0016	6	EA

0017 NSN 1H 2090-01-284-4318
HEAD/FOOT BOARD,
CREW/TROOP, 3 HIGH, 0
LOCKER, 18 INCH
SPACING;
DWG 5959312A, DET 20A,
TYPE IV, STYLE 1;
PC #-QTY: 1-2, 2-2, 3-1, 69-
4, 70-4, 79-6, 81-2, 83-1, 84-
2, 141-1
SUBASSEMBLY NO. 20A7

0017AA	SAME AS ITEM 0017	6	EA
0017AB	SAME AS ITEM 0017	6	EA
0017AC	SAME AS ITEM 0017	6	EA
0017AD	SAME AS ITEM 0017	6	EA
0017AE	SAME AS ITEM 0017	6	EA
0017AF	SAME AS ITEM 0017	6	EA

0018 NSN 1H 2090-01-284-4319
HEAD/FOOT BOARD
CREW/TROOP, 3 HIGH, 0
LOCKER, 20 INCH
SPACING
DWG 5959312A, DET 20A,
TYPE IV, STYLE 2;
PC #-QTY: 1-2, 2-2, 3-1, 69-4,
70-4, 79-6, 81-2, 83-1, 84-2,
141-1;
SUBASSEMBLY NO. 20A8

0018AA	SAME AS ITEM 0018	6	EA
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0018AB	SAME AS ITEM 0018	6	EA
0018AC	SAME AS ITEM 0018	6	EA
0018AD	SAME AS ITEM 0018	6	EA
0018AE	SAME AS ITEM 0018	6	EA
0018AF	SAME AS ITEM 0018	6	EA

0019 NSN 1H 2090-01-284-4320
 HEAD/FOOT BOARD,
 CREW/TROOP, 4 HIGH, 0
 LOCKER, 18 INCH
 SPACING DWG
 5959312A, DET 20A, TYPE
 V, STYLE 1;
 PC#-QTY: 1-2, 2-3, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-3,
 141-1
 SUBASSEMBLY NO. 20A9

0019AA	SAME AS ITEM 0019	6	EA
0019AB	SAME AS ITEM 0019	6	EA
0019AC	SAME AS ITEM 0019	6	EA
0019AD	SAME AS ITEM 0019	6	EA
0019AE	SAME AS ITEM 0019	6	EA
0019AF	SAME AS ITEM 0019	6	EA

0020 NSN 1H 2090-01-284-4321
 HEAD/FOOT BOARD,
 CREW/TROOP, 2 HIGH, 2
 LOCKER, 18 INCH
 SPACING;
 DWG 5959312A, DET 20A,
 TYPE VI, STYLE 1;
 PC#-QTY: 1-2, 2-1, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-1,
 141-1
 SUBASSEMBLY NO. 20A10

0020AA	SAME AS ITEM 0020	6	EA
0020AB	SAME AS ITEM 0020	6	EA
0020AC	SAME AS ITEM 0020	6	EA
0020AD	SAME AS ITEM 0020	6	EA
0020AE	SAME AS ITEM 0020	6	EA
0020AF	SAME AS ITEM 0020	6	EA

0021 NSN 1H 2090-01-279-9773
 HEAD/FOOT BOARD,
 CREW/TROOP, 2 HIGH, 2
 LOCKER, 20 INCH
 SPACING
 DWG 5959312A, DET 20A,
 TYPE VI, STYLE 2
 PC#-QTY: 1-2, 2-1, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-1,
 141-1
 SUBASSEMBLY NO. 20A11

0021AA	SAME AS ITEM 0021	76	EA
0021AB	SAME AS ITEM 0021	76	EA
0021AC	SAME AS ITEM 0021	76	EA
0021AD	SAME AS ITEM 0021	6	EA
0021AE	SAME AS ITEM 0021	6	EA
0021AF	SAME AS ITEM 0021	6	EA

0022 NSN 1H 2090-01-279-9774
 HEAD/FOOT BOARD,
 CREW/TROOP, 2 HIGH, 1
 LOCKER, 18 INCH
 SPACING;
 DWG 5959312A, DET 20A,
 TYPE VII, STYLE 1;
 PC#-QTY: 1-2, 2-1, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-1,
 141-1
 SUBASSEMBLY NO. 20A12

0022AA	SAME AS ITEM 0022	6	EA
0022AB	SAME AS ITEM 0022	6	EA
0022AC	SAME AS ITEM 0022	6	EA
0022AD	SAME AS ITEM 0022	6	EA
0022AE	SAME AS ITEM 0022	6	EA
0022AF	SAME AS ITEM 0022	6	EA

0023 NSN 1H 2090-01-293-8075
 HEAD/FOOT BOARD,
 CREW/TROOP, 2 HIGH, 1
 LOCKER, 20 INCH
 SPACING
 DWG 5959312A, DET 20A,
 TYPE VII, STYLE 2
 PC#-QTY: 1-2, 2-1, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-1,
 141-1

SUBASSEMBLY NO. 20A13

0023AA	SAME AS ITEM 0023	6	EA
0023AB	SAME AS ITEM 0023	6	EA
0023AC	SAME AS ITEM 0023	6	EA
0023AD	SAME AS ITEM 0023	6	EA
0023AE	SAME AS ITEM 0023	6	EA
0023AF	SAME AS ITEM 0023	6	EA

0024 NSN 1H 2090-01-284-4322
 HEAD/FOOT BOARD,
 CREW/TROOP, 2 HIGH, 0
 LOCKER, 18 INCH
 SPACING;
 DWG 5959312A, DET 20A,
 TYPE VIII, STYLE 1;
 PC#-QTY: 1-2, 2-1, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-1,
 141-1;
 SUBASSEMBLY NO. 20A25

0024AA	SAME AS ITEM 0024	6	EA
0024AB	SAME AS ITEM 0024	6	EA
0024AC	SAME AS ITEM 0024	6	EA
0024AD	SAME AS ITEM 0024	6	EA
0024AE	SAME AS ITEM 0024	6	EA
0024AF	SAME AS ITEM 0024	6	EA

0025 NSN 1H 2090-01-284-4323
 HEAD/FOOT BOARD,
 CREW/TROOP, 2 HIGH, 0
 LOCKER, 20 INCH
 SPACING;
 DWG 5959312A, DET 20A,
 TYPE VIII, STYLE 2;
 PC#-QTY: 1-2, 2-1, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-1,
 141-1
 SUBASSEMBLY NO. 20A26

0025AA	SAME AS ITEM 0025	6	EA
0025AB	SAME AS ITEM 0025	6	EA

0025AC	SAME AS ITEM 0025	6	EA
0025AD	SAME AS ITEM 0025	6	EA
0025AE	SAME AS ITEM 0025	6	EA
0025AF	SAME AS ITEM 0025	6	EA

0026 NSN 1H 2090-01-279-9775
 HEAD/FOOT BOARD, CPO,
 3 HIGH, 2 LOCKER, 20
 INCH SPACING
 DWG 5959312A, DET 20A,
 TYPE X, STYLE 2;
 PC#-QTY: 1-2, 2-2, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-2,
 141-1
 SUBASSEMBLY NO. 20A14

0026AA	SAME AS ITEM 0026	6	EA
0026AB	SAME AS ITEM 0026	6	EA
0026AC	SAME AS ITEM 0026	6	EA
0026AD	SAME AS ITEM 0026	6	EA
0026AE	SAME AS ITEM 0026	6	EA
0026AF	SAME AS ITEM 0026	6	EA

0027 NSN 1H 2090-01-284-4324
 HEAD/FOOT BOARD, CPO,
 3 HIGH, 1 LOCKER, 20
 INCH SPACING;
 DWG 5959312A, DET 20A,
 TYPE XI, STYLE 2;
 PC#-QTY: 1-2, 2-2, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-2,
 141-1
 SUBASSEMBLY NO. 20A15

0027AA	SAME AS ITEM 0027	6	EA
0027AB	SAME AS ITEM 0027	6	EA
0027AC	SAME AS ITEM 0027	6	EA
0027AD	SAME AS ITEM 0027	6	EA
0027AE	SAME AS ITEM 0027	6	EA
0027AF	SAME AS ITEM 0027	6	EA

0028 NSN 1H 2090-01-285-1811
 HEAD/FOOT BOARD, CPO,
 3 HIGH, 1 LOCKER, 23
 INCH SPACING;
 DWG 5959312A, DET 20A,
 TYPE XI, STYLE 3;
 PC#-QTY: 1-2, 2-2, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-2,
 141-1
 SUBASSEMBLY NO. 20A16

0028AA	SAME AS ITEM 0028	6	EA
0028AB	SAME AS ITEM 0028	6	EA
0028AC	SAME AS ITEM 0028	6	EA
0028AD	SAME AS ITEM 0028	6	EA
0028AE	SAME AS ITEM 0028	6	EA
0028AF	SAME AS ITEM 0028	6	EA

0029 NSN 1H 2090-01-285-1812
 HEAD/FOOT BOARD, CPO,
 3 HIGH, 0 LOCKER, 20
 INCH SPACING;
 DWG 5959312A, DET 20A,
 TYPE XII, STYLE 2;
 PC#-QTY: 1-2, 2-2, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-2,
 141-1
 SUBASSEMBLY NO. 20A17

0029AA	SAME AS ITEM 0029	48	EA
0029AB	SAME AS ITEM 0029	48	EA
0029AC	SAME AS ITEM 0029	48	EA
0029AD	SAME AS ITEM 0029	6	EA
0029AE	SAME AS ITEM 0029	6	EA
0029AF	SAME AS ITEM 0029	6	EA

0030 NSN 1H 2090-01-286-4838
 HEAD/FOOT BOARD, CPO,
 3 HIGH, 0 LOCKER, 23
 INCH SPACING
 DWG 5959312A, DET 20A,
 TYPE XII, STYLE 3
 PC#-QTY: 1-2, 2-2, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-2,
 141-1
 SUBASSEMBLY NO. 20A18

0030AA	SAME AS ITEM 0030	126	EA
0030AB	SAME AS ITEM 0030	126	EA
0030AC	SAME AS ITEM 0030	126	EA
0030AD	SAME AS ITEM 0030	6	EA
0030AE	SAME AS ITEM 0030	6	EA
0030AF	SAME AS ITEM 0030	6	EA

0031 NSN 1H 2090-01-285-1813
 HEAD/FOOT BOARD, CPO,
 2 HIGH, 2 LOCKER, 20
 INCH SPACING;
 DWG 5959312A, DET 20A,
 TYPE XIII, STYLE 2;
 PC#-QTY: 1-2, 2-1, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-1,
 141-1
 SUBASSEMBLY NO. 20A19

0031AA	SAME AS ITEM 0031	6	EA
0031AB	SAME AS ITEM 0031	6	EA
0031AC	SAME AS ITEM 0031	6	EA
0031AD	SAME AS ITEM 0031	6	EA
0031AE	SAME AS ITEM 0031	6	EA
0031AF	SAME AS ITEM 0031	6	EA

0032 NSN 1H 2090-01-286-4839
 HEAD/FOOT BOARD, CPO,
 2 HIGH, 2 LOCKER, 23
 INCH SPACING;
 DWG 5959312A, DET 20A,
 TYPE XIII, STYLE 3;
 PC#-QTY: 1-2, 2-1, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-1,
 141-1
 SUBASSEMBLY NO. 20A20

0032AA	SAME AS ITEM 0032	4	EA
0032AB	SAME AS ITEM 0032	4	EA
0032AC	SAME AS ITEM 0032	4	EA
0032AD	SAME AS ITEM 0032	6	EA
0032AE	SAME AS ITEM 0032	6	EA
0032AF	SAME AS ITEM 0032	6	EA

0033	NSN 1H 2090-01-286-4840 HEAD/FOOT BOARD, CPO, 2 HIGH, 1 LOCKER, 20 INCH SPACING; DWG 5959312A, DET 20A, TYPE XIV, STYLE 2; PC#-QTY: 1-2, 2-1, 3-1, 69-4, 70-4, 79-6, 81-2, 83-1, 84-1, 141-1 SUBASSEMBLY NO. 20A21		
0033AA	SAME AS ITEM 0033	6	EA
0033AB	SAME AS ITEM 0033	6	EA
0033AC	SAME AS ITEM 0033	6	EA
0033AD	SAME AS ITEM 0033	6	EA
0033AE	SAME AS ITEM 0033	6	EA
0033AF	SAME AS ITEM 0033	6	EA

0034	NSN 1H 2090-01-285-1815 HEAD/FOOT BOARD, CPO, 2 HIGH, 1 LOCKER, 23 INCH SPACING; DWG 5959312A, DET 20A, TYPE XIV, STYLE 3; PC#-QTY: 1-2, 2-1, 3-1, 69-4, 70-4, 79-6, 81-2, 83-1, 84-1, 141-1 SUBASSEMBLY NO. 20A22		
0034AA	SAME AS ITEM 0034	6	EA
0034AB	SAME AS ITEM 0034	6	EA
0034AC	SAME AS ITEM 0034	6	EA
0034AD	SAME AS ITEM 0034	6	EA
0034AE	SAME AS ITEM 0034	6	EA
0034AF	SAME AS ITEM 0034	6	EA

0035	NSN 1H 2090-01-285-1814 HEAD/FOOT BOARD, CPO, 2 HIGH, 0 LOCKER, 20 INCH SPACING DWG 5959312A, DET 20A, TYPE XV, STYLE 2 PC#-QTY: 1-2, 2-1, 3-1, 69-4, 70-4, 79-6, 81-2, 83-1, 84-1, 141-1 SUBASSEMBLY NO. 20A23		
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0035AA	SAME AS ITEM 0035	6	EA
0035AB	SAME AS ITEM 0035	6	EA
0035AC	SAME AS ITEM 0035	6	EA
0035AD	SAME AS ITEM 0035	6	EA
0035AE	SAME AS ITEM 0035	6	EA
0035AF	SAME AS ITEM 0035	6	EA

0036 NSN 1H 2090-01-285-1816
 HEAD/FOOT BOARD, CPO,
 2 HIGH, 0 LOCKER, 23
 INCH SPACING
 DWG 5959312A, DET 20A,
 TYPE XV, STYLE 3
 PC#-QTY: 1-2, 2-1, 3-1, 69-4,
 70-4, 79-6, 81-2, 83-1, 84-1,
 141-1
 SUBASSEMBLY NO. 20A24

0036AA	SAME AS ITEM 0036	6	EA
0036AB	SAME AS ITEM 0036	6	EA
0036AC	SAME AS ITEM 0036	6	EA
0036AD	SAME AS ITEM 0036	6	EA
0036AE	SAME AS ITEM 0036	6	EA
0036AF	SAME AS ITEM 0036	6	EA

0037 NSN 1H 2090-01-279-9776
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CREW/TROOP, TOP, PAN,
 18 INCH SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE IV,
 STYLE 1, TOP
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A1

0037AA	SAME AS ITEM 0037	790	EA
0037AB	SAME AS ITEM 0037	790	EA
0037AC	SAME AS ITEM 0037	790	EA
0037AD	SAME AS ITEM 0037	6	EA
0037AE	SAME AS ITEM 0037	6	EA
0037AF	SAME AS ITEM 0037	6	EA

0038 NSN 1H 2090-01-293-8076
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CREW/TROOP, TOP, PAN,
 20 INCH SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE IV,
 STYLE 2, TOP
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A2

0038AA	SAME AS ITEM 0038	272	EA
0038AB	SAME AS ITEM 0038	272	EA
0038AC	SAME AS ITEM 0038	272	EA
0038AD	SAME AS ITEM 0038	6	EA
0038AE	SAME AS ITEM 0038	6	EA
0038AF	SAME AS ITEM 0038	6	EA

0039 NSN 1H 2090-01-285-1817
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CREW/TROOP,
 INTMD/BOT, PAN, 18 INCH
 SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE IV,
 STYLE 1, INTMD/BOT
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A3

0039AA	SAME AS ITEM 0039	128	EA
0039AB	SAME AS ITEM 0039	128	EA
0039AC	SAME AS ITEM 0039	128	EA
0039AD	SAME AS ITEM 0039	6	EA
0039AE	SAME AS ITEM 0039	6	EA
0039AF	SAME AS ITEM 0039	6	EA

0040 NSN 1H 2090-01-285-1818
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CREW/TROOP,
 INTMD/BOT, PAN, 20 INCH
 SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE IV,
 STYLE 2, INTMD/BOT

PC#-QTY: 50-1, 92-12
SUBASSEMBLY NO. 53A4

0040AA	SAME AS ITEM 0040	96	EA
0040AB	SAME AS ITEM 0040	96	EA
0040AC	SAME AS ITEM 0040	96	EA
0040AD	SAME AS ITEM 0040	6	EA
0040AE	SAME AS ITEM 0040	6	EA
0040AF	SAME AS ITEM 0040	6	EA

0041 NSN 1H 2090-01-285-1819
INSERT PANEL
(HEAD/FOOT BOARD),
CREW/TROOP, TOP, LKR,
18 INCH SPACING
DWG 5959312A, PC 50, DET
15A & 53A, TYPE 1, STYLE
1, TOP
PC#-QTY: 50-1, 92-12
SUBASSEMBLY NO. 53A5

0041AA	SAME AS ITEM 0041	962	EA
0041AB	SAME AS ITEM 0041	962	EA
0041AC	SAME AS ITEM 0041	962	EA
0041AD	SAME AS ITEM 0041	225	EA
0041AE	SAME AS ITEM 0041	225	EA
0041AF	SAME AS ITEM 0041	225	EA

0042 NSN 1H 2090-01-285-1820
INSERT PANEL
(HEAD/FOOT BOARD),
CREW/TROOP, TOP, LKR,
20 INCH SPACING
DWG 5959312A, PC 50, DET
15A & 53A, TYPE 1, STYLE
2, TOP
PC#-QTY: 50-1, 92-12
SUBASSEMBLY NO. 53A6

0042AA	SAME AS ITEM 0042	714	EA
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0042AB	SAME AS ITEM 0042	714	EA
0042AC	SAME AS ITEM 0042	714	EA
0042AD	SAME AS ITEM 0042	6	EA
0042AE	SAME AS ITEM 0042	6	EA
0042AF	SAME AS ITEM 0042	6	EA

0043 NSN 1H 2090-01-285-1821
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CREW/TROOP,
 INTMD/BOT, LKR, 18 INCH
 SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE 1, STYLE
 1, INTMD/BOT
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A7

0043AA	SAME AS ITEM 0043	3301	EA
0043AB	SAME AS ITEM 0043	3301	EA
0043AC	SAME AS ITEM 0043	3301	EA
0043AD	SAME AS ITEM 0043	455	EA
0043AE	SAME AS ITEM 0043	455	EA
0043AF	SAME AS ITEM 0043	455	EA

0044 NSN 1H 2090-01-285-1822
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CREW/TROOP,
 INTMD/BOT, LKR, 20 INCH
 SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE 1, STYLE
 2, INTMD/BOT
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A8

0044AA	SAME AS ITEM 0044	1766	EA
0044AB	SAME AS ITEM 0044	1766	EA
0044AC	SAME AS ITEM 0044	1766	EA
0044AD	SAME AS ITEM 0044	6	EA
0044AE	SAME AS ITEM 0044	6	EA
0044AF	SAME AS ITEM 0044	6	EA

0045 NSN 1H 2090-01-285-1823
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CPO, TOP, PAN, 20 INCH
 SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE XII,
 STYLE 2, TOP
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A9

0045AA	SAME AS ITEM 0045	48	EA
0045AB	SAME AS ITEM 0045	48	EA
0045AC	SAME AS ITEM 0045	48	EA
0045AD	SAME AS ITEM 0045	6	EA
0045AE	SAME AS ITEM 0045	6	EA
0045AF	SAME AS ITEM 0045	6	EA

0046 NSN 1H 2090-01-285-1825
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CPO, TOP, PAN, 23 INCH
 SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE XII,
 STYLE 3, TOP
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A10

0046AA	SAME AS ITEM 0046	126	EA
0046AB	SAME AS ITEM 0046	126	EA
0046AC	SAME AS ITEM 0046	126	EA
0046AD	SAME AS ITEM 0046	6	EA
0046AE	SAME AS ITEM 0046	6	EA
0046AF	SAME AS ITEM 0046	6	EA

0047 NSN 1H 2090-01-285-1826
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CPO, INTMD/BOT, PAN, 20
 INCH SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE XII,
 STYLE 2, INTMD/BOT
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A11

0047AA	SAME AS ITEM 0047	96	EA
0047AB	SAME AS ITEM 0047	96	EA
0047AC	SAME AS ITEM 0047	96	EA
0047AD	SAME AS ITEM 0047	6	EA
0047AE	SAME AS ITEM 0047	6	EA
0047AF	SAME AS ITEM 0047	6	EA

0048 NSN 1H 2090-01-285-1829
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CPO, INTMD/BOT, PAN, 23
 INCH SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE XII,
 STYLE 3, INTMD/BOT
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A12

0048AA	SAME AS ITEM 0048	245	EA
0048AB	SAME AS ITEM 0048	245	EA
0048AC	SAME AS ITEM 0048	245	EA
0048AD	SAME AS ITEM 0048	6	EA
0048AE	SAME AS ITEM 0048	6	EA
0048AF	SAME AS ITEM 0048	6	EA

0049 NSN 1H 2090-01-285-1830
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CPO, TOP, LKR, 20 INCH
 SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE XIII,
 STYLE 2, TOP
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A13

0049AA	SAME AS ITEM 0049	6	EA
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0049AB	SAME AS ITEM 0049	6	EA
0049AC	SAME AS ITEM 0049	6	EA
0049AD	SAME AS ITEM 0049	6	EA
0049AE	SAME AS ITEM 0049	6	EA
0049AF	SAME AS ITEM 0049	6	EA

0050 NSN 1H 2090-01-285-1831
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CPO, TOP, LKR, 23 INCH
 SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE XIII,
 STYLE 3, TOP
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A14

0050AA	SAME AS ITEM 0050	4	EA
0050AB	SAME AS ITEM 0050	4	EA
0050AC	SAME AS ITEM 0050	4	EA
0050AD	SAME AS ITEM 0050	6	EA
0050AE	SAME AS ITEM 0050	6	EA
0050AF	SAME AS ITEM 0050	6	EA

0051 NSN 1H 2090-01-285-1834
 INSERT PANEL
 (HEAD/FOOT BOARD),
 CPO, INTMD/BOT, LKR, 20
 INCH SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE X, STYLE
 2, INTMD/BOT
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A15

0051AA	SAME AS ITEM 0051	6	EA
0051AB	SAME AS ITEM 0051	6	EA
0051AC	SAME AS ITEM 0051	6	EA
0051AD	SAME AS ITEM 0051	6	EA
0051AE	SAME AS ITEM 0051	6	EA
0051AF	SAME AS ITEM 0051	6	EA

0052 NSN 1H 2090-01-285-1832
 INSERT, PANEL
 (HEAD/FOOT BOARD),
 CPO, INTMD/BOT, LKR, 23
 INCH SPACING
 DWG 5959312A, PC 50, DET
 15A & 53A, TYPE XIII,
 STYLE 3, INTMD/BOT
 PC#-QTY: 50-1, 92-12
 SUBASSEMBLY NO. 53A16

0052AA	SAME AS ITEM 0052	4	EA
0052AB	SAME AS ITEM 0052	4	EA
0052AC	SAME AS ITEM 0052	4	EA
0052AD	SAME AS ITEM 0052	6	EA
0052AE	SAME AS ITEM 0052	6	EA
0052AF	SAME AS ITEM 0052	6	EA

0053 NSN 1H 2090-01-285-1833
 BACK PANEL FOR PAN,
 CREW/TROOP, TOP, SIZE
 1, 18 INCH SPACING
 DWG 5959312A, PC 9, DET
 22D, SIZE 1, STYLE 1
 PC#-QTY: 9-1, 91-6, 94 -1
 SUBASSEMBLY NO. 22F1

0053AA	SAME AS ITEM 0053	13	EA
0053AB	SAME AS ITEM 0053	13	EA
0053AC	SAME AS ITEM 0053	13	EA
0053AD	SAME AS ITEM 0053	6	EA
0053AE	SAME AS ITEM 0053	6	EA
0053AF	SAME AS ITEM 0053	6	EA

0054 NSN 1H 2090-01-286-4841
 BACK PANEL FOR PAN,
 CREW/TROOP, TOP, SIZE
 1, 20 INCH SPACING
 DWG 5959312A, PC 9, DET
 22D, SIZE 1, STYLE 2
 PC#-QTY: 9-1, 91-6, 94 -1
 SUBASSEMBLY NO. 22F2

0054AA	SAME AS ITEM 0054	1	EA
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0054AB	SAME AS ITEM 0054	1	EA
0054AC	SAME AS ITEM 0054	1	EA
0054AD	SAME AS ITEM 0054	6	EA
0054AE	SAME AS ITEM 0054	6	EA
0054AF	SAME AS ITEM 0054	6	EA

0055 NSN 1H 2090-01-287-5082
 BACK PANEL FOR PAN,
 CREW/TROOP, INTMD,
 SIZE 1, 18 INCH SPACING
 DWG 5959312A, PC 8, DET
 22D, SIZE 1, STYLE 1
 PC#-QTY: 8-1, 91-6
 SUBASSEMBLY NO. 22E1

0055AA	SAME AS ITEM 0055	6	EA
0055AB	SAME AS ITEM 0055	6	EA
0055AC	SAME AS ITEM 0055	6	EA
0055AD	SAME AS ITEM 0055	6	EA
0055AE	SAME AS ITEM 0055	6	EA
0055AF	SAME AS ITEM 0055	6	EA

0056 NSN 1H 2090-01-285-8096
 BACK PANEL FOR PAN,
 CREW/TROOP, INTMD,
 SIZE 1, 20 INCH SPACING
 DWG 5959312A, PC 8, DET
 22D, SIZE 1, STYLE 2
 PC #-QTY: 8-1, 91-6
 SUBASSEMBLY NO. 22E2

0056AA	SAME AS ITEM 0056	1	EA
0056AB	SAME AS ITEM 0056	1	EA
0056AC	SAME AS ITEM 0056	1	EA
0056AD	SAME AS ITEM 0056	6	EA
0056AE	SAME AS ITEM 0056	6	EA
0056AF	SAME AS ITEM 0056	6	EA

0057 NSN 1H 2090-01-285-8097
 BACK PANEL FOR PAN,
 CREW/TROOP, BOT, SIZE
 1, 18 INCH SPACING
 DWG 5959312A, PC 7, DET
 22D, SIZE 1, STYLE 1
 PC #-QTY: 7-1, 91-8, 71-6,
 74-6, 93-1
 SUBASSEMBLY NO. 22D1

0057AA	SAME AS ITEM 0057	6	EA
0057AB	SAME AS ITEM 0057	6	EA
0057AC	SAME AS ITEM 0057	6	EA
0057AD	SAME AS ITEM 0057	6	EA
0057AE	SAME AS ITEM 0057	6	EA
0057AF	SAME AS ITEM 0057	6	EA

0058 NSN 1H 2090-01-285-8098
 BACK PANEL FOR PAN,
 CREW/TROOP, BOT, SIZE
 1, 20 INCH SPACING
 DWG 5959312A, PC 7, DET
 22D, SIZE 1, STYLE 2
 PC #-QTY: 7-1, 91-8, 71-6,
 74-6, 93-1
 SUBASSEMBLY NO. 22D2

0058AA	SAME AS ITEM 0058	6	EA
0058AB	SAME AS ITEM 0058	6	EA
0058AC	SAME AS ITEM 0058	6	EA
0058AD	SAME AS ITEM 0058	6	EA
0058AE	SAME AS ITEM 0058	6	EA
0058AF	SAME AS ITEM 0058	6	EA

0059 NSN 1H 2090-01-285-8099
 BACK PANEL FOR PAN,
 CREW/TROOP, TOP, SIZE
 2, 18 INCH SPACING
 DWG 5959312A, PC 9, DET
 22D, SIZE 2, STYLE 1
 PC #-QTY: 9-1, 91-6, 94-1
 SUBASSEMBLY NO. 22F3

0059AA	SAME AS ITEM 0059	348	EA
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0059AB	SAME AS ITEM 0059	348	EA
0059AC	SAME AS ITEM 0059	348	EA
0059AD	SAME AS ITEM 0059	6	EA
0059AE	SAME AS ITEM 0059	6	EA
0059AF	SAME AS ITEM 0059	6	EA

0060 NSN 1H 2090-01-285-8107
 BACK PANEL FOR PAN,
 CREW/TROOP, TOP, SIZE
 2, 20 INCH SPACING
 DWG 5959312A, PC 9, DET
 22D, SIZE 2, STYLE 2
 PC#-QTY: 9-1, 91-6, 94 -1
 SUBASSEMBLY NO. 22F4

0060AA	SAME AS ITEM 0060	115	EA
0060AB	SAME AS ITEM 0060	115	EA
0060AC	SAME AS ITEM 0060	115	EA
0060AD	SAME AS ITEM 0060	6	EA
0060AE	SAME AS ITEM 0060	6	EA
0060AF	SAME AS ITEM 0060	6	EA

0061 NSN 1H 2090-01-285-8100
 BACK PANEL FOR PAN,
 CREW/TROOP, INTMD,
 SIZE 2, 18 INCH SPACING
 DWG 5959312A, PC 8, DET
 22D, SIZE 2, STYLE 1
 PC#-QTY: 8-1, 91-6
 SUBASSEMBLY NO. 22E3

0061AA	SAME AS ITEM 0061	57	EA
0061AB	SAME AS ITEM 0061	57	EA
0061AC	SAME AS ITEM 0061	57	EA
0061AD	SAME AS ITEM 0061	6	EA
0061AE	SAME AS ITEM 0061	6	EA
0061AF	SAME AS ITEM 0061	6	EA

0062 NSN 1H 2090-01-288-3282
 BACK PANEL FOR PAN,
 CREW/TROOP, INTMD,
 SIZE 2, 20 INCH SPACING
 DWG 5959312A, PC 8, DET
 22D, SIZE 2, STYLE 2
 PC #-QTY: 8-1, 91-6
 SUBASSEMBLY NO. 22E4

0062AA	SAME AS ITEM 0062	37	EA
0062AB	SAME AS ITEM 0062	37	EA
0062AC	SAME AS ITEM 0062	37	EA
0062AD	SAME AS ITEM 0062	6	EA
0062AE	SAME AS ITEM 0062	6	EA
0062AF	SAME AS ITEM 0062	6	EA

0063 NSN 1H 2090-01-285-8101
 BACK PANEL FOR PAN,
 CREW/TROOP, BOT, SIZE
 2, 18 INCH SPACING
 DWQ 5959312A, PC 7, DET
 22D, SIZE 2, STYLE 1
 PC #-QTY: 7-1, 91-8, 71-6,
 93-1, 74-6
 SUBASSEMBLY NO. 22D3

0063AA	SAME AS ITEM 0063	6	EA
0063AB	SAME AS ITEM 0063	6	EA
0063AC	SAME AS ITEM 0063	6	EA
0063AD	SAME AS ITEM 0063	6	EA
0063AE	SAME AS ITEM 0063	6	EA
0063AF	SAME AS ITEM 0063	6	EA

0064 NSN 1H 2090-01-285-8102
 BACK PANEL FOR PAN,
 CREW/TROOP, BOT, SIZE
 2, 20 INCH SPACING
 DWG 5959312A, PC 7, DET
 22D, SIZE 2, STYLE 2
 PC#-QTY: 7-1, 91-14
 SUBASSEMBLY NO. 22D4

0064AA	SAME AS ITEM 0064	6	EA
0064AB	SAME AS ITEM 0064	6	EA

0064AC	SAME AS ITEM 0064	6	EA
0064AD	SAME AS ITEM 0064	6	EA
0064AE	SAME AS ITEM 0064	6	EA
0064AF	SAME AS ITEM 0064	6	EA

0065 NSN 1H 2090-01-285-8103
 BACK PANEL FOR PAN,
 CREW/TROOP, TOP, SIZE
 3, 18 INCH SPACING
 DWG 5959312A, PC 9, DET
 22D, SIZE 3, STYLE 1
 PC#-QTY: 9-1, 91-6, 94 -1
 SUBASSEMBLY NO. 22F5

0065AA	SAME AS ITEM 0065	34	EA
0065AB	SAME AS ITEM 0065	34	EA
0065AC	SAME AS ITEM 0065	34	EA
0065AD	SAME AS ITEM 0065	6	EA
0065AE	SAME AS ITEM 0065	6	EA
0065AF	SAME AS ITEM 0065	6	EA

0066 NSN 1H 2090-01-285-8104
 BACK PANEL FOR PAN,
 CREW/TROOP, TOP, SIZE
 3, 20 INCH SPACING
 DWG 5959312A, PC 9, DET
 22D, SIZE 3, STYLE 2
 PC #-QTY: 9-1, 91-6, 94 -1
 SUBASSEMBLY NO. 22F6

0066AA	SAME AS ITEM 0066	20	EA
0066AB	SAME AS ITEM 0066	20	EA
0066AC	SAME AS ITEM 0066	20	EA
0066AD	SAME AS ITEM 0066	6	EA
0066AE	SAME AS ITEM 0066	6	EA
0066AF	SAME AS ITEM 0066	6	EA

0067 NSN 1H 2090-01-287-5083
 BACK PANEL FOR PAN,
 CREW/TROOP, INTMD,
 SIZE 3, 18 INCH SPACING
 DWG 5959312A, PC 8, DET
 22D, SIZE 3, STYLE 1

PC #-QTY: 81-1, 91-6
SUBASSEMBLY NO. 22E5

0067AA	SAME AS ITEM 0067	7	EA
0067AB	SAME AS ITEM 0067	7	EA
0067AC	SAME AS ITEM 0067	7	EA
0067AD	SAME AS ITEM 0067	6	EA
0067AE	SAME AS ITEM 0067	6	EA
0067AF	SAME AS ITEM 0067	6	EA

0068 NSN 1H 2090-01-285-8105
BACK PANEL FOR PAN,
CREW/TROOP, INTMD,
SIZE 3, 20 INCH SPACING
DWG 5959312A, PC 8, DET
22D, SIZE 3, STYLE 2
PC #-QTY: 8-1, 91-6
SUBASSEMBLY NO. 22E6

0068AA	SAME AS ITEM 0068	10	EA
0068AB	SAME AS ITEM 0068	10	EA
0068AC	SAME AS ITEM 0068	10	EA
0068AD	SAME AS ITEM 0068	6	EA
0068AE	SAME AS ITEM 0068	6	EA
0068AF	SAME AS ITEM 0068	6	EA

0069 NSN 1H 2090-01-285-8106
BACK PANEL FOR PAN,
CREW/TROOP, BOT, SIZE
3, 18 INCH SPACING
DWG 5959312A, PC 7, DET
22D, SIZE 3, STYLE 1
PC#-QTY: 7-1, 91-8, 71-6,
93-1, 74-6
SUBASSEMBLY NO. 22D5

0069AA	SAME AS ITEM 0069	6	EA
0069AB	SAME AS ITEM 0069	6	EA
0069AC	SAME AS ITEM 0069	6	EA
0069AD	SAME AS ITEM 0069	6	EA
0069AE	SAME AS ITEM 0069	6	EA

0069AF	SAME AS ITEM 0069	6	EA
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0070	NSN 1H 2090-01-279-9777 BACK PANEL FOR PAN, CREW/TROOP, BOT, SIZE 3, 20 INCH SPACING DWG 5959312A, PC 7, DET 22D, SIZE 3, STYLE 2 PC #-QTY: 7-1, 91-8, 71-6, 93-1, 74-6 SUBASSEMBLY NO. 22D6		
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0070AA	SAME AS ITEM 0070	6	EA
0070AB	SAME AS ITEM 0070	6	EA
0070AC	SAME AS ITEM 0070	6	EA
0070AD	SAME AS ITEM 0070	6	EA
0070AE	SAME AS ITEM 0070	6	EA
0070AF	SAME AS ITEM 0070	6	EA

0071	NSN 1H 5680-01-316-6782 BACK PANEL FOR PAN, CPO, TOP, SIZE 4, 20 INCH SPACING DWG 5959312A, PC 9, DET 22D, SIZE 4, STYLE 2 PC#-QTY: 9-1, 91-6, 94 -1 SUBASSEMBLY NO. 22F7		
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0071AA	SAME AS ITEM 0071	19	EA
0071AB	SAME AS ITEM 0071	19	EA
0071AC	SAME AS ITEM 0071	19	EA
0071AD	SAME AS ITEM 0071	6	EA
0071AE	SAME AS ITEM 0071	6	EA
0071AF	SAME AS ITEM 0071	6	EA

0072	NSN 1H 2090-01-285-8109 BACK PANEL FOR PAN, CPO, TOP, SIZE 4, 23 INCH SPACING DWG 5959312A, PC 9, DET 22D, SIZE 4, STYLE 3 PC#-QTY: 9-1, 91-6, 94 -1 SUBASSEMBLY NO. 22F8		
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0072AA	SAME AS ITEM 0072	54	EA
0072AB	SAME AS ITEM 0072	54	EA
0072AC	SAME AS ITEM 0072	54	EA
0072AD	SAME AS ITEM 0072	6	EA
0072AE	SAME AS ITEM 0072	6	EA
0072AF	SAME AS ITEM 0072	6	EA

0073 NSN 1H 2090-01-285-8110
 BACK PANEL FOR PAN,
 CPO, INTMD, SIZE 4, 20
 INCH SPACING
 DWG 5959312A, PC 8, DET
 22D, SIZE 4, STYLE 2
 PC#-QTY: 8-1, 91-6
 SUBASSEMBLY NO. 22E7

0073AA	SAME AS ITEM 0073	19	EA
0073AB	SAME AS ITEM 0073	19	EA
0073AC	SAME AS ITEM 0073	19	EA
0073AD	SAME AS ITEM 0073	6	EA
0073AE	SAME AS ITEM 0073	6	EA
0073AF	SAME AS ITEM 0073	6	EA

0074 NSN 1H 2090-01-296-5934
 BACK PANEL FOR PAN,
 CPO, INTMD, SIZE 4, 23
 INCH SPACING
 DWG 5959312A, PC 8, DET
 22D, SIZE 4, STYLE 3
 PC#-QTY: 8-1, 81-6
 SUBASSEMBLY NO. 22E8

0074AA	SAME AS ITEM 0074	54	EA
0074AB	SAME AS ITEM 0074	54	EA
0074AC	SAME AS ITEM 0074	54	EA
0074AD	SAME AS ITEM 0074	6	EA
0074AE	SAME AS ITEM 0074	6	EA
0074AF	SAME AS ITEM 0074	6	EA

0075 NSN 1H 2090-01-285-8111
 BACK PANEL FOR PAN,
 CPO, BOT, SIZE 4, 20 INCH
 SPACING
 DWG 5959312A, PC 7, DET
 22D, SIZE 4, STYLE 2
 PC#-QTY: 7-1, 71-6, 74-6,
 91-8, 93-1
 SUBASSEMBLY NO. 22D7

0075AA	SAME AS ITEM 0075	15	EA
0075AB	SAME AS ITEM 0075	15	EA
0075AC	SAME AS ITEM 0075	15	EA
0075AD	SAME AS ITEM 0075	6	EA
0075AE	SAME AS ITEM 0075	6	EA
0075AF	SAME AS ITEM 0075	6	EA

0076 NSN 1H 2090-01-285-8112
 BACK PANEL FOR PAN,
 CPO, BOT, SIZE 4, 23 INCH
 SPACING
 DWG 5959312A, PC 7, DET
 22D, SIZE 4, STYLE 3
 PC#-QTY: 7-1, 71-6, 74-6,
 91-8, 93-1
 SUBASSEMBLY NO. 22D8

0076AA	SAME AS ITEM 0076	42	EA
0076AB	SAME AS ITEM 0076	42	EA
0076AC	SAME AS ITEM 0076	42	EA
0076AD	SAME AS ITEM 0076	6	EA
0076AE	SAME AS ITEM 0076	6	EA
0076AF	SAME AS ITEM 0076	6	EA

0077 NSN 1H 2090-01-287-5084
 BACK PANEL FOR PAN,
 CPO, TOP, SIZE 5, 20 INCH
 SPACING
 DWG 5959312A, PC 9, DET
 22D, SIZE 5, STYLE 2
 PC#-QTY: 9-1, 91-6, 94-1
 SUBASSEMBLY NO. 22F9

0077AA	SAME AS ITEM 0077	5	EA
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0077AB	SAME AS ITEM 0077	5	EA
0077AC	SAME AS ITEM 0077	5	EA
0077AD	SAME AS ITEM 0077	6	EA
0077AE	SAME AS ITEM 0077	6	EA
0077AF	SAME AS ITEM 0077	6	EA

0078 NSN 1H 2090-01-285-8113
 BACK PANEL FOR PAN,
 CPO, TOP, SIZE 5, 23 INCH
 SPACING
 DWG 5959312A, PC 9, DET
 22D, SIZE 5, STYLE 3
 PC#-QTY: 9-1, 91-6, 94-1
 SUBASSEMBLY NO. 22F10

0078AA	SAME AS ITEM 0078	9	EA
0078AB	SAME AS ITEM 0078	9	EA
0078AC	SAME AS ITEM 0078	9	EA
0078AD	SAME AS ITEM 0078	6	EA
0078AE	SAME AS ITEM 0078	6	EA
0078AF	SAME AS ITEM 0078	6	EA

0079 NSN 1H 2090-01-285-8114
 BACK PANEL FOR PAN,
 CPO, INTMD, SIZE 5, 20
 INCH SPACING
 DWG 5959312A, PC 8, DET
 22D, SIZE 5, STYLE 2
 PC#-QTY: 8-1, 91-6
 SUBASSEMBLY NO. 22E9

0079AA	SAME AS ITEM 0079	5	EA
0079AB	SAME AS ITEM 0079	5	EA
0079AC	SAME AS ITEM 0079	5	EA
0079AD	SAME AS ITEM 0079	6	EA
0079AE	SAME AS ITEM 0079	6	EA
0079AF	SAME AS ITEM 0079	6	EA

0080 NSN 1H 2090-01-285-8115
 BACK PANEL FOR PAN,
 CPO, INTMD, SIZE 5, 23
 INCH SPACING
 DWG 5959312A, PC 8, DET
 22D, SIZE 5, STYLE 3
 PC#-QTY: 8-1, 91-6
 SUBASSEMBLY NO. 22E10

0080AA	SAME AS ITEM 0080	9	EA
0080AB	SAME AS ITEM 0080	9	EA
0080AC	SAME AS ITEM 0080	9	EA
0080AD	SAME AS ITEM 0080	6	EA
0080AE	SAME AS ITEM 0080	6	EA
0080AF	SAME AS ITEM 0080	6	EA

0081 NSN 1H 2090-01-285-8116
 BACK PANEL FOR PAN,
 CPO, BOT, SIZE 5, 20 INCH
 SPACING
 DWG 5959312A, PC 7, DET
 22D, SIZE 5, STYLE 2
 PC#-QTY: 7-1, 71-6, 74 -6,
 91-8, 93-1
 SUBASSEMBLY NO. 22D9

0081AA	SAME AS ITEM 0081	4	EA
0081AB	SAME AS ITEM 0081	4	EA
0081AC	SAME AS ITEM 0081	4	EA
0081AD	SAME AS ITEM 0081	6	EA
0081AE	SAME AS ITEM 0081	6	EA
0081AF	SAME AS ITEM 0081	6	EA

0082 NSN 1H 2090-01-287-5085
 BACK PANEL FOR PAN,
 CPO, BOT, SIZE 5, 23 INCH
 SPACING
 DWG 5959312A, PC 7, DET
 22D, SIZE 5, STYLE 3
 PC#-QTY: 7-1, 71-6, 74-6,
 91-8, 93-1
 SUBASSEMBLY NO. 22D10

0082AA	SAME AS ITEM 0082	8	EA
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0082AB	SAME AS ITEM 0082	8	EA
0082AC	SAME AS ITEM 0082	8	EA
0082AD	SAME AS ITEM 0082	6	EA
0082AE	SAME AS ITEM 0082	6	EA
0082AF	SAME AS ITEM 0082	6	EA

0083 NSN 1H 2090-01-285-8117
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 TOP, SIZE 1, 18 INCH
 SPACING
 DWG 5959312A, PC 6, DET
 22A, SIZE 1, STYLE 1
 PC#-QTY: 6-1, 91-6, 94 -1
 SUBASSEMBLY NO. 22C1

0083AA	SAME AS ITEM 0083	6	EA
0083AB	SAME AS ITEM 0083	6	EA
0083AC	SAME AS ITEM 0083	6	EA
0083AD	SAME AS ITEM 0083	6	EA
0083AE	SAME AS ITEM 0083	6	EA
0083AF	SAME AS ITEM 0083	6	EA

0084 NSN 1H 2090-01-285-8118
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 TOP, SIZE 1, 20 INCH
 SPACING
 DWG 5959312A, PC 6, DET
 22A, SIZE 1, STYLE 2
 PC#-QTY: 6-1, 91-6, 94 -1
 SUBASSEMBLY NO. 22C2

0084AA	SAME AS ITEM 0084	6	EA
0084AB	SAME AS ITEM 0084	6	EA
0084AC	SAME AS ITEM 0084	6	EA
0084AD	SAME AS ITEM 0084	6	EA
0084AE	SAME AS ITEM 0084	6	EA
0084AF	SAME AS ITEM 0084	6	EA

0085 NSN 1H 2090-01-285-8119
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 INTMD, SIZE 1, 18 INCH
 SPACING
 DWG 5959312A, PC 5, DET
 22A, SIZE 1, STYLE 1
 PC#-QTY: 5-1, 91-6
 SUBASSEMBLY NO. 22B1

0085AA	SAME AS ITEM 0085	19	EA
0085AB	SAME AS ITEM 0085	19	EA
0085AC	SAME AS ITEM 0085	19	EA
0085AD	SAME AS ITEM 0085	6	EA
0085AE	SAME AS ITEM 0085	6	EA
0085AF	SAME AS ITEM 0085	6	EA

0086 NSN 1H 2090-01-285-8125
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 INTMD, SIZE 1, 20 INCH
 SPACING
 DWG 5959312A, PC 5, DET
 22A, SIZE 1, STYLE 2
 PC#-QTY: 5-1, 91-6
 SUBASSEMBLY NO. 22B2

0086AA	SAME AS ITEM 0086	6	EA
0086AB	SAME AS ITEM 0086	6	EA
0086AC	SAME AS ITEM 0086	6	EA
0086AD	SAME AS ITEM 0086	6	EA
0086AE	SAME AS ITEM 0086	6	EA
0086AF	SAME AS ITEM 0086	6	EA

0087 NSN 1H 2090-01-285-8126
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 BOT, SIZE 1, 18 INCH
 SPACING
 DWG 5959312A, PC 4, DET
 22A, SIZE 1, STYLE 1
 PC#-QTY: 4-1, 71-6, 74 -6,
 91-8, 93-1
 SUBASSEMBLY NO. 22A1

0087AA	SAME AS ITEM 0087	16	EA
0087AB	SAME AS ITEM 0087	16	EA
0087AC	SAME AS ITEM 0087	16	EA
0087AD	SAME AS ITEM 0087	6	EA
0087AE	SAME AS ITEM 0087	6	EA
0087AF	SAME AS ITEM 0087	6	EA

0088 NSN 1H 2090-01-285-8127
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 BOT, SIZE 1, 20 INCH
 SPACING
 DWG 5959312A, PC 4, DET
 22A, SIZE 1, STYLE 2
 PC#-QTY: 4-1, 71-6, 74-6,
 91-8, 93-1
 SUBASSEMBLY NO. 22A2

0088AA	SAME AS ITEM 0088	1	EA
0088AB	SAME AS ITEM 0088	1	EA
0088AC	SAME AS ITEM 0088	1	EA
0088AD	SAME AS ITEM 0088	6	EA
0088AE	SAME AS ITEM 0088	6	EA
0088AF	SAME AS ITEM 0088	6	EA

0089 NSN 1H 2090-01-285-8128
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 TOP, SIZE 2, 18 INCH
 SPACING
 DWG 5959312A, PC 6, DET
 22A, SIZE 2, STYLE I
 PC#-QTY: 6-1, 91-6, 94-1
 SUBASSEMBLY NO. 22C3

0089AA	SAME AS ITEM 0089	417	EA
0089AB	SAME AS ITEM 0089	417	EA
0089AC	SAME AS ITEM 0089	417	EA
0089AD	SAME AS ITEM 0089	110	EA
0089AE	SAME AS ITEM 0089	110	EA
0089AF	SAME AS ITEM 0089	110	EA

0090 NSN 1H 2090-01-285-8129
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 TOP, SIZE 2, 20 INCH
 SPACING
 DWG 5959312A, PC 6, DET
 22A, SIZE 2, STYLE 2
 PC#-QTY: 6-1, 91-6, 94-1
 SUBASSEMBLY NO. 22C4

0090AA	SAME AS ITEM 0090	324	EA
0090AB	SAME AS ITEM 0090	324	EA
0090AC	SAME AS ITEM 0090	324	EA
0090AD	SAME AS ITEM 0090	6	EA
0090AE	SAME AS ITEM 0090	6	EA
0090AF	SAME AS ITEM 0090	6	EA

0091 NSN 1H 2090-01-285-8130
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 INTMD, SIZE 2, 18 INCH
 SPACING
 DWG 5959312A, PC 5, DET
 22A, SIZE 2, STYLE 1
 PC#-QTY: 5-1, 91-6
 SUBASSEMBLY NO. 22B3

0091AA	SAME AS ITEM 0091	708	EA
0091AB	SAME AS ITEM 0091	708	EA
0091AC	SAME AS ITEM 0091	708	EA
0091AD	SAME AS ITEM 0091	120	EA
0091AE	SAME AS ITEM 0091	120	EA
0091AF	SAME AS ITEM 0091	120	EA

0092 NSN 1H 2090-01-285-8131
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 INTMD, SIZE 2, 20 INCH
 SPACING
 DWG 5959312A, PC 5, DET
 22A, SIZE 2, STYLE 2
 PC#-QTY: 5-1, 91-6
 SUBASSEMBLY NO. 22B4

0092AA	SAME AS ITEM 0092	368	EA
0092AB	SAME AS ITEM 0092	368	EA
0092AC	SAME AS ITEM 0092	368	EA
0092AD	SAME AS ITEM 0092	6	EA
0092AE	SAME AS ITEM 0092	6	EA
0092AF	SAME AS ITEM 0092	6	EA

0093 NSN 1H 2090-01-285-8132
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 BOT, SIZE 2, 18 INCH
 SPACING
 DWG 5959312A, PC 4, DET
 22A, SIZE 2, STYLE 1
 PC#-QTY: 4-1, 71-6, 74-6,
 91-8, 93-1
 SUBASSEMBLY NO. 22A3

0093AA	SAME AS ITEM 0093	558	EA
0093AB	SAME AS ITEM 0093	558	EA
0093AC	SAME AS ITEM 0093	558	EA
0093AD	SAME AS ITEM 0093	110	EA
0093AE	SAME AS ITEM 0093	110	EA
0093AF	SAME AS ITEM 0093	110	EA

0094 NSN 1H 2090-01-285-8133
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 BOT, SIZE 2, 20 INCH
 SPACING
 DWG 5959312A, PC 4, DET
 22A, SIZE 2, STYLE 2
 PC#-QTY: 4-1, 71-6, 74-6,
 91-8, 93-1
 SUBASSEMBLY NO. 22A4

0094AA	SAME AS ITEM 0094	293	EA
0094AB	SAME AS ITEM 0094	293	EA
0094AC	SAME AS ITEM 0094	293	EA
0094AD	SAME AS ITEM 0094	6	EA
0094AE	SAME AS ITEM 0094	6	EA
0094AF	SAME AS ITEM 0094	6	EA

0095 NSN 1H 2090-01-285-8134
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 TOP, SIZE 3, 18 INCH
 SPACING
 DWG 5959312A, PC 6, DET
 22A, SIZE 3, STYLE 1
 PC#-QTY: 6-1, 91-6, 94-1
 SUBASSEMBLY NO. 22C5

0095AA	SAME AS ITEM 0095	58	EA
0095AB	SAME AS ITEM 0095	58	EA
0095AC	SAME AS ITEM 0095	58	EA
0095AD	SAME AS ITEM 0095	6	EA
0095AE	SAME AS ITEM 0095	6	EA
0095AF	SAME AS ITEM 0095	6	EA

0096 NSN 1H 2090-01-285-8135
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 TOP, SIZE 3, 20 INCH
 SPACING
 DWG 5959312A, PC 6, DET
 22A, SIZE 3, STYLE 2
 PC#-QTY: 6-1, 91-6, 94-1
 SUBASSEMBLY NO. 22C6

0096AA	SAME AS ITEM 0096	33	EA
0096AB	SAME AS ITEM 0096	33	EA
0096AC	SAME AS ITEM 0096	33	EA
0096AD	SAME AS ITEM 0096	6	EA
0096AE	SAME AS ITEM 0096	6	EA
0096AF	SAME AS ITEM 0096	6	EA

0097 NSN 1H 2090-01-285-8120
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 INTMD, SIZE 3, 18 INCH
 SPACING
 DWG 5959312A, PC 5, DET
 22A, SIZE 3, STYLE 1
 PC#-QTY: 5-1, 91-6
 SUBASSEMBLY NO. 22B5

0097AA	SAME AS ITEM 0097	85	EA
0097AB	SAME AS ITEM 0097	85	EA
0097AC	SAME AS ITEM 0097	85	EA
0097AD	SAME AS ITEM 0097	6	EA
0097AE	SAME AS ITEM 0097	6	EA
0097AF	SAME AS ITEM 0097	6	EA

0098 NSN 1H 2090-01-285-8136
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 INTMD, SIZE 3, 20 INCH
 SPACING
 DWG 5959312A, PC 5, DET
 22A, SIZE 3, STYLE 2
 PC#-QTY: 5-1, 91-6
 SUBASSEMBLY NO. 22B6

0098AA	SAME AS ITEM 0098	39	EA
0098AB	SAME AS ITEM 0098	39	EA
0098AC	SAME AS ITEM 0098	39	EA
0098AD	SAME AS ITEM 0098	6	EA
0098AE	SAME AS ITEM 0098	6	EA
0098AF	SAME AS ITEM 0098	6	EA

0099 NSN 1H 2090-01-285-8137
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 BOT, SIZE 3, 18 INCH
 SPACING
 DWG 5959312A, PC 4, DET
 22A, SIZE 3, STYLE 1
 PC#-QTY: 4-1, 71-6, 74-6,
 91-8, 93-1
 SUBASSEMBLY NO. 22A5

0099AA	SAME AS ITEM 0099	71	EA
0099AB	SAME AS ITEM 0099	71	EA

0099AC	SAME AS ITEM 0099	71	EA
0099AD	SAME AS ITEM 0099	4	EA
0099AE	SAME AS ITEM 0099	4	EA
0099AF	SAME AS ITEM 0099	4	EA

0100 NSN 1H 2090-01-283-3123
 BACK PANEL FOR
 LOCKER, CREW/TROOP,
 BOT, SIZE 3, 20 INCH
 SPACING
 DWG 5959312A, PC 4, DET
 22A, SIZE 3, STYLE 2
 PC#-QTY: 4-1, 71-6, 74-6,
 91-8, 93-1
 SUBASSEMBLY NO. 22A6

0100AA	SAME AS ITEM 0100	44	EA
0100AB	SAME AS ITEM 0100	44	EA
0100AC	SAME AS ITEM 0100	44	EA
0100AD	SAME AS ITEM 0100	6	EA
0100AE	SAME AS ITEM 0100	6	EA
0100AF	SAME AS ITEM 0100	6	EA

0101 NSN 1H 2090-01-283-3124
 BACK PANEL FOR
 LOCKER, CPO, TOP, SIZE
 4, 20 INCH SPACING
 DWG 5959312A, PC 6, DET
 22A, SIZE 4, STYLE 2
 PC#-QTY: 6-1, 91-6, 94-1
 SUBASSEMBLY NO. 22C7

0101AA	SAME AS ITEM 0101	6	EA
0101AB	SAME AS ITEM 0101	6	EA
0101AC	SAME AS ITEM 0101	6	EA
0101AD	SAME AS ITEM 0101	6	EA
0101AE	SAME AS ITEM 0101	6	EA
0101AF	SAME AS ITEM 0101	6	EA

0102 NSN IH 2090-01-284-4360
 BACK PANEL FOR
 LOCKER, CPO, TOP, SIZE
 4, 23 INCH SPACING
 DWG 5959312A, PC 6, DET
 22A, SIZE 4, STYLE 3
 PC #-QTY: 6-1, 91-6, 94-1
 SUBASSEMBLY NO. 22C8

0102AA	SAME AS ITEM 0102	2	EA
0102AB	SAME AS ITEM 0102	2	EA
0102AC	SAME AS ITEM 0102	2	EA
0102AD	SAME AS ITEM 0102	6	EA
0102AE	SAME AS ITEM 0102	6	EA
0102AF	SAME AS ITEM 0102	6	EA

0103 NSN 1H 2090-01-283-3125
 BACK PANEL FOR
 LOCKER, CPO, INTMD,
 SIZE 4, 20 INCH SPACING
 DWG 5959312A, PC 5, DET
 22A, SIZE 4, STYLE 2
 PC#-QTY: 5-1, 91-6
 SUBASSEMBLY NO. 22B7

0103AA	SAME AS ITEM 0103	6	EA
0103AB	SAME AS ITEM 0103	6	EA
0103AC	SAME AS ITEM 0103	6	EA
0103AD	SAME AS ITEM 0103	6	EA
0103AE	SAME AS ITEM 0103	6	EA
0103AF	SAME AS ITEM 0103	6	EA

0104 NSN 1H 2090-01-283-3126
 BACK PANEL FOR
 LOCKER, CPO, BOT, SIZE
 4, 20 INCH SPACING
 DWG 5959312A, PC 4, DET
 22A, SIZE 4, STYLE 2
 PC#-QTY: 4-1, 71-6, 74-6,
 91-8, 93-1
 SUBASSEMBLY NO. 22A7

0104AA	SAME AS ITEM 0104	6	EA
0104AB	SAME AS ITEM 0104	6	EA

0104AC	SAME AS ITEM 0104	6	EA
0104AD	SAME AS ITEM 0104	6	EA
0104AE	SAME AS ITEM 0104	6	EA
0104AF	SAME AS ITEM 0104	6	EA

0105 NSN 1H 2090-01-285-1845
 BACK PANEL FOR
 LOCKER, CPO, BOT, SIZE
 4, 23 INCH SPACING
 DWG 5959312A, PC 4, DET
 22A, SIZE 4, STYLE 3
 PC#-QTY: 4-1, 71-6, 74-6,
 91-8, 93-1
 SUBASSEMBLY NO. 22A8

0105AA	SAME AS ITEM 0105	2	EA
0105AB	SAME AS ITEM 0105	2	EA
0105AC	SAME AS ITEM 0105	2	EA
0105AD	SAME AS ITEM 0105	6	EA
0105AE	SAME AS ITEM 0105	6	EA
0105AF	SAME AS ITEM 0105	6	EA

0106 NSN 1H 2090-01-283-3127
 BACK PANEL FOR
 LOCKER, CPO, TOP, SIZE
 5, 20 INCH SPACING
 DWG 5959312A, PC 6, DET
 22A, SIZE 5, STYLE 2
 PC#-QTY: 6-1, 91-6, 94-1
 SUBASSEMBLY NO. 22C9

0106AA	SAME AS ITEM 0106	6	EA
0106AB	SAME AS ITEM 0106	6	EA
0106AC	SAME AS ITEM 0106	6	EA
0106AD	SAME AS ITEM 0106	6	EA
0106AE	SAME AS ITEM 0106	6	EA
0106AF	SAME AS ITEM 0106	6	EA

0107 NSN 1H 2090-01-284-4361
 BACK PANEL FOR
 LOCKER, CPO, TOP, SIZE
 5, 23 INCH SPACING
 DWG 5959312A, PC 6, DET
 22A, SIZE 5, STYLE 3
 PC#-QTY: 6-1, 91-6, 94-1
 SUBASSEMBLY NO. 22C10

0107AA	SAME AS ITEM 0107	6	EA
0107AB	SAME AS ITEM 0107	6	EA
0107AC	SAME AS ITEM 0107	6	EA
0107AD	SAME AS ITEM 0107	6	EA
0107AE	SAME AS ITEM 0107	6	EA
0107AF	SAME AS ITEM 0107	6	EA

0108 NSN 1H 2090-01-283-3128
 BACK PANEL FOR
 LOCKER, CPO, INTMD,
 SIZE 5, 20 INCH SPACING
 DWG 5959312A, PC 5, DET
 22A, SIZE 5, STYLE 2
 PC#-QTY: 5-1, 91-6
 SUBASSEMBLY NO. 22B9

0108AA	SAME AS ITEM 0108	6	EA
0108AB	SAME AS ITEM 0108	6	EA
0108AC	SAME AS ITEM 0108	6	EA
0108AD	SAME AS ITEM 0108	6	EA
0108AE	SAME AS ITEM 0108	6	EA
0108AF	SAME AS ITEM 0108	6	EA

0109 NSN 1H 2090-01-283-3129
 BACK PANEL FOR
 LOCKER, CPO, BOT, SIZE
 5, 20 INCH SPACING
 DWG 5959312A, PC 4, DET
 22A, SIZE 5, STYLE 2
 PC#-QTY: 4-1, 71-6, 74-6,
 91-8, 93-1,
 SUBASSEMBLY NO. 22A9

0109AA	SAME AS ITEM 0109	6	EA
0109AB	SAME AS ITEM 0109	6	EA

0109AC	SAME AS ITEM 0109	6	EA
0109AD	SAME AS ITEM 0109	6	EA
0109AE	SAME AS ITEM 0109	6	EA
0109AF	SAME AS ITEM 0109	6	EA

0110 NSN 1H 2090-01-283-3132
 BACK PANEL FOR
 LOCKER, CPO, BOT, SIZE
 5, 23 INCH SPACING
 DWG 5959312A, PC 4, DET
 22A, SIZE 5, STYLE 3
 PC#-QTY: 4-1, 71-6, 74-6,
 91-8, 93-1
 SUBASSEMBLY NO. 22A10

0110AA	SAME AS ITEM 0110	6	EA
0110AB	SAME AS ITEM 0110	6	EA
0110AC	SAME AS ITEM 0110	6	EA
0110AD	SAME AS ITEM 0110	6	EA
0110AE	SAME AS ITEM 0110	6	EA
0110AF	SAME AS ITEM 0110	6	EA

0111 NSN 1H 2090-01-283-3133
 CROSS BRACE, CHANNEL
 DWG 5959312A, PC 39, DET
 43A & 44A, QTY 2,
 LENGTH 4 FOOT
 PC#-QTY: 39-2, 79-4, 81-4,
 86-4
 SUBASSEMBLY NO. 44A1

0111AA	SAME AS ITEM 0111	95	EA
0111AB	SAME AS ITEM 0111	95	EA
0111AC	SAME AS ITEM 0111	95	EA
0111AD	SAME AS ITEM 0111	36	EA
0111AE	SAME AS ITEM 0111	36	EA
0111AF	SAME AS ITEM 0111	36	EA

0112 NSN 1H 2090-01-283-3134
 BRACKET CROSS BRACE,
 REQUIRED WHEN BOT
 BACK PANEL REMOVED
 DWG 5959312A, PC 40, DET
 43B, QTY 2
 PC#-QTY: 40-2, 80-6, 81-6
 SUBASSEMBLY NO. 44A2

0112AA	SAME AS ITEM 0112	95	EA
0112AB	SAME AS ITEM 0112	95	EA
0112AC	SAME AS ITEM 0112	95	EA
0112AD	SAME AS ITEM 0112	6	EA
0112AE	SAME AS ITEM 0112	6	EA
0112AF	SAME AS ITEM 0112	6	EA

0113 NSN 1H 2090-01-283-3135
 GRAB BAR, SIZE 1
 DWG 5959312A, PC 63 & 64,
 DET 53C, SIZE 1
 PC#-QTY: 63-1, 64-2, 91-4
 SUBASSEMBLY NO. 53C1

0113AA	SAME AS ITEM 0113	20	EA
0113AB	SAME AS ITEM 0113	20	EA
0113AC	SAME AS ITEM 0113	20	EA
0113AD	SAME AS ITEM 0113	6	EA
0113AE	SAME AS ITEM 0113	6	EA
0113AF	SAME AS ITEM 0113	6	EA

0114 NSN 1H 2090-01-283-3136
 GRAB BAR, SIZE 2 & 4
 DWG 5959312A, PC 63 & 64,
 DET 53 C, SIZE 2 & 4
 PC#-QTY: 63-1, 64-2, 91-4
 SUBASSEMBLY NO. 53C2

0114AA	SAME AS ITEM 0114	1278	EA
0114AB	SAME AS ITEM 0114	1278	EA
0114AC	SAME AS ITEM 0114	1278	EA
0114AD	SAME AS ITEM 0114	6	EA
0114AE	SAME AS ITEM 0114	6	EA

0114AF	SAME AS ITEM 0114	6	EA
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0115	NSN 1H 2090-01-283-3137 GRAB BAR, SIZE 3 & 5 DWG 5959312A, PC 63 & 64, DET 53 C, SIZE 3 & 5 PC#-QTY: 63-1, 64-2, 91-4 SUBASSEMBLY NO. 53C3		
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0115AA	SAME AS ITEM 0115	160	EA
0115AB	SAME AS ITEM 0115	160	EA
0115AC	SAME AS ITEM 0115	160	EA
0115AD	SAME AS ITEM 0115	6	EA
0115AE	SAME AS ITEM 0115	6	EA
0115AF	SAME AS ITEM 0115	6	EA

0116	NSN 1H 2090-01-283-3138 CURTAIN TRACK, ALL DWG 5959312A, PC 65, LENGTH 7 FOOT PC#-QTY: 65-1, 92-9 SUBASSEMBLY NO. 53C6		
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0116AA	SAME AS ITEM 0116	4427	EA
0116AB	SAME AS ITEM 0116	4427	EA
0116AC	SAME AS ITEM 0116	4427	EA
0116AD	SAME AS ITEM 0116	537	EA
0116AE	SAME AS ITEM 0116	537	EA
0116AF	SAME AS ITEM 0116	537	EA

0117	NSN 1H 2090-01-283-3325 LOCKER, BERTH, CREW/TROOP, SIZE 1; DWG 5959312A, DET 27D & 35E, SIZE 1 PC#-QTY: 10-1, 12-1, 13-1, 14-2, 15-1, 16-1, 17-3, 18-3, 19-1, 20-1, 21-1, 22-1, 23-1, 24-1, 25-1, 26-1, 27-1, 28-2, 29-2, 30-4, 31-1, 32-2, 34-1, 36-2, 53-1, 68-1, 71-14, 72-4, 73-16, 74-30, 75-4, 91-8, 95- 4, 96-2, 97-1, 98-1, 99-1, 100- 1, 101-1, 103-4, 104-2, 105-2, 106-1, 107-2, 108-4, 109-1, 110-2, 111-1, 112-1, 113-1,		
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114-2, 115-6, 116-2, 117-1,
 118-1, 119-1, 120-3, 132-1,
 133-1, 135-1, 136-1, 137-1,
 138-1
 SUB ASSEMBLY NO. 27D1

0117AA	SAME AS ITEM 0117	45	EA
0117AB	SAME AS ITEM 0117	45	EA
0117AC	SAME AS ITEM 0117	45	EA
0117AD	SAME AS ITEM 0117	198	EA
0117AE	SAME AS ITEM 0117	198	EA
0117AF	SAME AS ITEM 0117	198	EA

0118 NSN 1H 2090-01-283-3326
 LOCKER, BERTH,
 CREW/TROOP, SIZE 2;
 DWG 5959312A, DET 27D &
 35E, SIZE 2
 PC#-QTY: 10-1, 12-1, 13-1,
 14-2, 15-1, 16-1, 17-3, 18-3,
 19-1, 20-1, 21-1, 22-1, 23-1,
 24-1, 25-1, 26-1, 27-1, 28-2,
 29-2, 30-4, 31-1, 32-2, 34-1,
 36-2, 53-1, 68-1, 71-14, 72-4,
 73-16, 74-30, 75-4, 91-8, 95-
 4, 96-2, 97-1, 98-1, 99-1, 100-
 1, 101-1, 102-1, 103-4, 104-2,
 105-2, 106-1, 107-2, 108-4,
 109-1, 110-2, 111-1, 112-1,
 113-1, 114-2, 115-6, 116-2,
 117-1, 118-1, 119-1, 120-3,
 132-1, 133-1, 135-1, 136-1,
 137-1, 138-1
 SUBASSEMBLY NO. 27D2

0118AA	SAME AS ITEM 0118	3021	EA
0118AB	SAME AS ITEM 0118	3021	EA
0118AC	SAME AS ITEM 0118	3021	EA
0118AD	SAME AS ITEM 0118	872	EA
0118AE	SAME AS ITEM 0118	872	EA
0118AF	SAME AS ITEM 0118	872	EA

0119 NSN 1H 2090-01-283-3327
 LOCKER, BERTH,
 CREW/TROOP, SIZE 3;
 DWG 5959312A, DET 27D &
 35E, SIZE 3
 PC#-QTY: 10-1, 12-1, 13-1,
 14-2, 15-1, 16-1, 17-3, 18-3,
 19-1, 20-1, 21-1, 22-1, 23-1,
 24-1, 25-1, 26-1, 27-1, 28-2,
 29-2, 30-4, 31-1, 32-2, 34-1,
 36-2, 53-1, 68-1, 71-14, 72-4,
 73-16, 74-30, 75-4, 91-8, 95-
 4, 96-2, 97-1, 98-1, 99-1, 100-
 1, 101-1, 102-1, 103-4, 104-2,
 105-2, 106-1, 107-2, 108-4,
 109-1, 110-2, 111-1, 112-1,
 113-1, 114-2, 115-6, 116-2,
 117-1, 118-1, 119-1, 120-3,
 131-1, 132-1, 133-1, 135-1,
 136-1, 138-1
 SUBASSEMBLY NO. 27D3

0119AA	SAME AS ITEM 0119	360	EA
0119AB	SAME AS ITEM 0119	360	EA
0119AC	SAME AS ITEM 0119	360	EA
0119AD	SAME AS ITEM 0119	92	EA
0119AE	SAME AS ITEM 0119	92	EA
0119AF	SAME AS ITEM 0119	92	EA

0120 NSN 1H 2090-01-283-3328
 LOCKER, BERTH, CPO,
 SIZE 4; DWG 5959312A,
 DET 27D & 35E, SIZE 4
 PC#-QTY: 11-1, 12-1, 13-1,
 14-2, 15-1, 16-1, 17-3, 18-3,
 19-1, 20-1, 21-1, 22-1, 23-1,
 24-1, 25-1, 26-1, 27-1, 28-2,
 29-2, 30-4, 31-1, 32-2, 34-1,
 36-2, 68-1, 71-14, 72-4, 73-
 16, 74-30, 75-4, 90-1, 91-8,
 95-4, 96-2, 97-1, 98-1, 99-1,
 100-1, 101-1, 102-1, 103-4,
 104-2, 105-2, 106-1, 107-2,
 108-4, 109-1, 110-2, 111-1,
 112-1, 113-1, 114-2, 115-6,
 116-2, 117-1, 118-1, 119-1,
 120-3, 132-1, 133-1, 135-1,
 136-1, 137-1, 138-1
 SUBASSEMBLY NO. 27D4

0120AA	SAME AS ITEM 0120	4	EA
0120AB	SAME AS ITEM 0120	4	EA
0120AC	SAME AS ITEM 0120	4	EA
0120AD	SAME AS ITEM 0120	6	EA
0120AE	SAME AS ITEM 0120	6	EA
0120AF	SAME AS ITEM 0120	6	EA

0121 NSN 1H 2090-01-283-3329
 LOCKER, BERTH, CPO,
 SIZE 5; DWG 5959312A,
 DET 27D & 35E, SIZE 5
 PC#-QTY: 11-1, 12-1, 13-1,
 14-2, 15-1, 16-1, 17-3, 18-3,
 19-1, 20-1, 21-1, 22-1, 23-1,
 24-1, 25-1, 26-1, 27-1, 28-2,
 29-2, 30-4, 31-1, 32-2, 34-1,
 36-2, 68-1, 71-14, 72-4, 73-
 16, 74-30, 75-4, 90-1, 91-8,
 95-4, 96-2, 97-1, 98-1, 99-1,
 100-1, 101-1, 102-1, 103-4,
 104-2, 105-2, 106-1, 107-2,
 108-4, 109-1, 110-2, 111-1,
 112-1, 113-1, 114-2, 115-6,
 116-2, 117-1, 118-1, 119-1,
 120-3, 132-1, 133-1, 135-1,
 136-1, 137-1, 138-1
 SUBASSEMBLY NO. 27D5

0121AA	SAME AS ITEM 0121	6	EA
0121AB	SAME AS ITEM 0121	6	EA
0121AC	SAME AS ITEM 0121	6	EA
0121AD	SAME AS ITEM 0121	6	EA
0121AE	SAME AS ITEM 0121	6	EA
0121AF	SAME AS ITEM 0121	6	EA

0122 NSN 1H 2090-01-283-3330
 PAN, BERTH,
 CREW/TROOP, SIZE 1
 DWG 5959312A, DET 39E,
 SIZE 1
 PC#-QTY: 19-1, 21-1, 68-1,
 72-4, 73-12, 74-12, 75-4
 SUBASSEMBLY NO. 39E1

0122AA	SAME AS ITEM 0122	15	EA
0122AB	SAME AS ITEM 0122	15	EA
0122AC	SAME AS ITEM 0122	15	EA
0122AD	SAME AS ITEM 0122	6	EA
0122AE	SAME AS ITEM 0122	6	EA
0122AF	SAME AS ITEM 0122	6	EA

0123 NSN 1H 2090-01-283-3331
PAN, BERTH,
CREW/TROOP, SIZE 2
DWG 5959312A, DET 39E,
SIZE 2
PC#-QTY: 19-1, 21-1, 68-1,
72-4, 73-12, 74-12, 75-4
SUBASSEMBLY NO. 39E2

0123AA	SAME AS ITEM 0123	557	EA
0123AB	SAME AS ITEM 0123	557	EA
0123AC	SAME AS ITEM 0123	557	EA
0123AD	SAME AS ITEM 0123	6	EA
0123AE	SAME AS ITEM 0123	6	EA
0123AF	SAME AS ITEM 0123	6	EA

0124 NSN 1H 2090-01-283-3360
PAN, BERTH,
CREW/TROOP, SIZE 3
DWG 5959312A, DET 39E,
SIZE 3
PC#-QTY: 19-1, 21-1, 68-1,
72-4, 73-12, 74-12, 75-4
SUBASSEMBLY NO. 39E3

0124AA	SAME AS ITEM 0124	71	EA
0124AB	SAME AS ITEM 0124	71	EA
0124AC	SAME AS ITEM 0124	71	EA
0124AD	SAME AS ITEM 0124	6	EA
0124AE	SAME AS ITEM 0124	6	EA
0124AF	SAME AS ITEM 0124	6	EA

0125 NSN 1H 2090-01-284-4372
 PAN, BERTH, CPO, SIZE 4
 DWG 5959312A, DET 39E,
 SIZE 4
 PC#-QTY: 19-1, 21-1, 68-1,
 72-4, 73-12, 74-12, 75-4
 SUBASSEMBLY NO. 39E4

0125AA	SAME AS ITEM 0125	216	EA
0125AB	SAME AS ITEM 0125	216	EA
0125AC	SAME AS ITEM 0125	216	EA
0125AD	SAME AS ITEM 0125	6	EA
0125AE	SAME AS ITEM 0125	6	EA
0125AF	SAME AS ITEM 0125	6	EA

0126 NSN 1H 2090-01-283-3361
 PAN, BERTH, CPO, SIZE 5
 DWG 5959312A, DET 39E,
 SIZE 5
 PC#-QTY: 19-1, 21-1, 68-1,
 72-4, 73-12, 74-12, 75-4
 SUBASSEMBLY NO. 39E5

0126AA	SAME AS ITEM 0126	45	EA
0126AB	SAME AS ITEM 0126	45	EA
0126AC	SAME AS ITEM 0126	45	EA
0126AD	SAME AS ITEM 0126	6	EA
0126AE	SAME AS ITEM 0126	6	EA
0126AF	SAME AS ITEM 0126	6	EA

0127 NSN 1H 2090-01-283-3362
 LEE STRAP ASSEMBLY
 DWG 5959312A, DET 53E
 PC#-QTY: 55-1, 56-1, 57-1,
 66-1, 67-1, 91-2, 58-1, 59-1,
 60-3, 71-43, 74-3
 SUBASSEMBLY NO. 53E1

0127AA	SAME AS ITEM 0127	4	EA
0127AB	SAME AS ITEM 0127	4	EA
0127AC	SAME AS ITEM 0127	4	EA
0127AD	SAME AS ITEM 0127	6	EA
0127AE	SAME AS ITEM 0127	6	EA

0127AF	SAME AS ITEM 0127	6	EA
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0128	NSN 1H 2090-01-294-8624 STEP FOR LOCKER DWG 5959312A, PC 61, DET 51B PC#-QTY: 61-1, 79-4, 81-4 SUBASSEMBLY NO. 51B1		
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0128AA	SAME AS ITEM 0128	2019	EA
0128AB	SAME AS ITEM 0128	2019	EA
0128AC	SAME AS ITEM 0128	2019	EA
0128AD	SAME AS ITEM 0128	6	EA
0128AE	SAME AS ITEM 0128	6	EA
0128AF	SAME AS ITEM 0128	6	EA

0129	NSN 1H 2090-01-283-3363 STEP FOR PAN DWG 5959312A, PC 62, DET 51A PC#-QTY: 62-1, 79-4, 81-4 SUBASSEMBLY NO. 51A1		
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0129AA	SAME AS ITEM 0129	199	EA
0129AB	SAME AS ITEM 0129	199	EA
0129AC	SAME AS ITEM 0129	199	EA
0129AD	SAME AS ITEM 0129	6	EA
0129AE	SAME AS ITEM 0129	6	EA
0129AF	SAME AS ITEM 0129	6	EA

0130	NSN 1H 2090-01-285-1846 TOWEL BAR DWG 5959312A, PC54, DET 39A PC#-QTY: 54-1, 71-4, 73-4, 74-4 SUBASSEMBLY NO. 39A1		
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0130AA	SAME AS ITEM 0130	4334	EA
0130AB	SAME AS ITEM 0130	4334	EA
0130AC	SAME AS ITEM 0130	4334	EA

0130AD	SAME AS ITEM 0130	3	EA
0130AE	SAME AS ITEM 0130	3	EA
0130AF	SAME AS ITEM 0130	3	EA

0131 NSN 1H 2090-01-283-3364
 LIGHT BRACKET,
 CREW/TROOP
 DWG 5959312A, PC 48, DET
 55A, SIZE 1, 2 & 3
 PCI-OTY: 48-1, 89-2, 91-6
 SUBASSEMBLY NO. 55A1

0131AA	SAME AS ITEM 0131	1331	EA
0131AB	SAME AS ITEM 0131	1331	EA
0131AC	SAME AS ITEM 0131	1331	EA
0131AD	SAME AS ITEM 0131	6	EA
0131AE	SAME AS ITEM 0131	6	EA
0131AF	SAME AS ITEM 0131	6	EA

0132 NSN 1H 2090-01-283-3365
 LIGHT BRACKET, CPO
 DWG 5959312A, PC48, DET
 55A, SIZE 4 & 5
 PC#-QTY: 48-1, 89-2, 91-6
 SUBASSEMBLY NO. 55A2

0132AA	SAME AS ITEM 0132	91	EA
0132AB	SAME AS ITEM 0132	91	EA
0132AC	SAME AS ITEM 0132	91	EA
0132AD	SAME AS ITEM 0132	6	EA
0132AE	SAME AS ITEM 0132	6	EA
0132AF	SAME AS ITEM 0132	6	EA

0133 NSN 1H 2090-01-279-9740
 BERTH LIGHT FIXTURE
 WITH RECEPTACLE
 DWG 5959312A, PC49
 PC#-QTY: 49-1
 SUBASSEMBLY NO. 55A3

0133AA	SAME AS ITEM 0133	6	EA
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0133AB	SAME AS ITEM 0133	6	EA
0133AC	SAME AS ITEM 0133	6	EA
0133AD	SAME AS ITEM 0133	192	EA
0133AE	SAME AS ITEM 0133	192	EA
0133AF	SAME AS ITEM 0133	192	EA

0134 NSN 1H 2090-01-279-9740
 BERTH LIGHT FIXTURE;
 SAME AS ITEM 0133
 EXCEPT WITHOUT
 RECEPTACLE AND WITH
 A THREE CONDUCTOR
 CABLE ONLY; DWG
 5959312A, PC49
 PC#-QTY: 49-1
 SUBASSEMBLY NO. 55A3

0134AA	SAME AS ITEM 0134	4334	EA
0134AB	SAME AS ITEM 0134	4334	EA
0134AC	SAME AS ITEM 0134	4334	EA
0134AD	SAME AS ITEM 0134	1713	EA
0134AE	SAME AS ITEM 0134	1713	EA
0134AF	SAME AS ITEM 0134	1713	EA

0135 NSN 1H 2090-01-283-3332
 EEBD STORAGE
 BRACKET, CPO
 DWG 5959312A, PC 87, DET
 54A, SIZE 4 & 5
 PC#-QTY: 87-1, 91-6
 SUBASSEMBLY NO. 54A2

0135AA	SAME AS ITEM 0135	87	EA
0135AB	SAME AS ITEM 0135	87	EA
0135AC	SAME AS ITEM 0135	87	EA
0135AD	SAME AS ITEM 0135	6	EA
0135AE	SAME AS ITEM 0135	6	EA
0135AF	SAME AS ITEM 0135	6	EA

0136 NSN 1H 2090-01-284-4295
COVER PANEL, BERTH, 2
HIGH, SIZE 1
DWG 5959312A, DET 48A,
SIZE 1
PC#-QTY: 33-1, 89-1, 91-20,
121-3
SUBASSEMBLY NO. 48A1

0136AA	SAME AS ITEM 0136	6	EA
0136AB	SAME AS ITEM 0136	6	EA
0136AC	SAME AS ITEM 0136	6	EA
0136AD	SAME AS ITEM 0136	6	EA
0136AE	SAME AS ITEM 0136	6	EA
0136AF	SAME AS ITEM 0136	6	EA

0137 NSN 1H 2090-01-287-5024
COVER PANEL, BERTH, 2
HIGH, SIZE 2
DWG 5959312A, DET 48A,
SIZE 2
PC#-QTY: 33-1, 89-1, 91-20,
121-3
SUBASSEMBLY NO. 48A2

0137AA	SAME AS ITEM 0137	34	EA
0137AB	SAME AS ITEM 0137	34	EA
0137AC	SAME AS ITEM 0137	34	EA
0137AD	SAME AS ITEM 0137	3	EA
0137AE	SAME AS ITEM 0137	3	EA
0137AF	SAME AS ITEM 0137	3	EA

0138 NSN 1H 2090-01-280-8787
COVER PANEL, BERTH, 2
HIGH, SIZE 3
DWG 5959312A, DET 48A,
SIZE 3
PC#-QTY: 33-1, 89-1, 91-20,
121-3
SUBASSEMBLY NO. 48A3

0138AA	SAME AS ITEM 0138	4	EA
0138AB	SAME AS ITEM 0138	4	EA

0138AC	SAME AS ITEM 0138	4	EA
0138AD	SAME AS ITEM 0138	6	EA
0138AE	SAME AS ITEM 0138	6	EA
0138AF	SAME AS ITEM 0138	6	EA

0139 NSN 1H 2090-01-280-8787
 COVER PANEL, BERTH, 2
 HIGH, SIZE 4
 DWG 5959312A, DET 48A,
 SIZE 4
 PC#-QTY: 33-1, 89-1, 91-20,
 121-3
 SUBASSEMBLY NO. 48A4

0139AA	SAME AS ITEM 0139	2	EA
0139AB	SAME AS ITEM 0139	2	EA
0139AC	SAME AS ITEM 0139	2	EA
0139AD	SAME AS ITEM 0139	6	EA
0139AE	SAME AS ITEM 0139	6	EA
0139AF	SAME AS ITEM 0139	6	EA

0140 NSN 1H 2090-01-279-9772
 COVER PANEL, BERTH, 2
 HIGH, SIZE 5
 DWG 5959312A, DET 48A,
 SIZE 5
 PC#-QTY: 33-1, 89-1, 91-20,
 121-3
 SUBASSEMBLY NO. 48A5

0140AA	SAME AS ITEM 0140	6	EA
0140AB	SAME AS ITEM 0140	6	EA
0140AC	SAME AS ITEM 0140	6	EA
0140AD	SAME AS ITEM 0140	6	EA
0140AE	SAME AS ITEM 0140	6	EA
0140AF	SAME AS ITEM 0140	6	EA

0141 NSN 1H 2090-01-284-4296
 STEP/LIFT HANDLE,
 CREW/TROOP LOCKER
 AND PAN BERTHS OR
 SPARES
 DWG 5959312A, PC 53, DET

39B
 PC#-QTY: 53-1, 73-4, 74-4
 SUBASSEMBLY NO. 39B1

0141AA	SAME AS ITEM 0141	112	EA
0141AB	SAME AS ITEM 0141	112	EA
0141AC	SAME AS ITEM 0141	112	EA
0141AD	SAME AS ITEM 0141	30	EA
0141AE	SAME AS ITEM 0141	30	EA
0141AF	SAME AS ITEM 0141	30	EA

0142 NSN 1H 2090-01-284-4305
 STEP/LIFT HANDLE, CPO
 LOCKER AND PAN
 BERTHS
 DWG 5959312A, PC 90, DET
 39B
 PC#-QTY: 73-4, 74-4, 90-1
 SUBASSEMBLY NO. 39B2

0142AA	SAME AS ITEM 0142	178	EA
0142AB	SAME AS ITEM 0142	178	EA
0142AC	SAME AS ITEM 0142	178	EA
0142AD	SAME AS ITEM 0142	6	EA
0142AE	SAME AS ITEM 0142	6	EA
0142AF	SAME AS ITEM 0142	6	EA

0143 NSN 1H 2090-LL-H15-8063
 EEED STORAGE
 BRACKET, CREW/TROOP
 DWG 5959312A, PC 87, DET
 54A, SIZE 1, 2 & 3
 PC#-QTY: 87-1, 91-6
 SUBASSEMBLY NO. 54A1

0143AA	SAME AS ITEM 0143	530	EA
0143AB	SAME AS ITEM 0143	530	EA
0143AC	SAME AS ITEM 0143	530	EA
0143AD	SAME AS ITEM 0143	6	EA
0143AE	SAME AS ITEM 0143	6	EA

0143AF	SAME AS ITEM 0143	6	EA
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0144	NSN 1H 2090-01-284-4307 KICK OUT PANEL & FRAME, SEE DWG 5959312A FOR REQUIREMENTS DWG 5959312A, DET 51D PC#-QTY: 51-1, 52-1, 82-16 SUBASSEMBLY NO. 51D0		
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0144AA	SAME AS ITEM 0144	575	EA
0144AB	SAME AS ITEM 0144	575	EA
0144AC	SAME AS ITEM 0144	575	EA
0144AD	SAME AS ITEM 0144	72	EA
0144AE	SAME AS ITEM 0144	72	EA
0144AF	SAME AS ITEM 0144	72	EA

0145	NSN 1H 2090-01-284-4308 FAN ASSEMBLY; DWG 5959312A, SHEET 10 PC#-QTY: 300-1, 301-1, 301A-1, 301B-1, 302-1,303-1, 304-1, 305-1, 306-1, 307-1, 308-1, 309-4, 310-4, 311-1, 312-3, 313-1, 314-1, 315-1, 316-1, 317-2, 318-2 SUBASSEMBLY NO. 76D1		
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0145AA	SAME AS ITEM 0145	4	EA
0145AB	SAME AS ITEM 0145	4	EA
0145AC	SAME AS ITEM 0145	4	EA
0145AD	SAME AS ITEM 0145	6	EA
0145AE	SAME AS ITEM 0145	6	EA
0145AF	SAME AS ITEM 0145	6	EA

0146	NSN 1H 2090-01-284-4309 DOOR COVER ASSEMBLY, SMALL ARTICLES LOCKER DWG 5959312A, DET 30D PC#-QTY: 13-1, 14-1, 15-1, 16-1, 103-2, 104-2, 112-1, 108-4		
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SUBASSEMBLY NO. 30D

0146AA	SAME AS ITEM 0146	6	EA
0146AB	SAME AS ITEM 0146	6	EA
0146AC	SAME AS ITEM 0146	6	EA
0146AD	SAME AS ITEM 0146	6	EA
0146AE	SAME AS ITEM 0146	6	EA
0146AF	SAME AS ITEM 0146	6	EA

0147 NSN 1H 2090-01-284-4310
 HASP
 DWG 5959312A, PC 22, DET
 37A
 PC#-QTY: 22-1, 71-3, 74 -3,
 119-1
 SUBASSEMBLY NO. 37A

0147AA	SAME AS ITEM 0147	6	EA
0147AB	SAME AS ITEM 0147	6	EA
0147AC	SAME AS ITEM 0147	6	EA
0147AD	SAME AS ITEM 0147	6	EA
0147AE	SAME AS ITEM 0147	6	EA
0147AF	SAME AS ITEM 0147	6	EA

0148 NSN 1H 2090-01-291-1543
 STAPLE
 DWG 5959312A, PC 23, DET
 39C
 PC#-QTY: 23-1, 29-2, 116-2
 SUBASSEMBLY NO. 39C

0148AA	SAME AS ITEM 0148	6	EA
0148AB	SAME AS ITEM 0148	6	EA
0148AC	SAME AS ITEM 0148	6	EA
0148AD	SAME AS ITEM 0148	6	EA
0148AE	SAME AS ITEM 0148	6	EA
0148AF	SAME AS ITEM 0148	6	EA

0149 NSN 1H 2090-01-284-4311
 PROP ASSEMBLY
 DWG 5959312A, DET 35B
 PC#-QTY: 24-1, 25-1, 26-1,
 27-1, 28-2, 71-2, 74-2, 117-1,
 118-1
 SUBASSEMBLY NO. 35B

0149AA	SAME AS ITEM 0149	6	EA
0149AB	SAME AS ITEM 0149	6	EA
0149AC	SAME AS ITEM 0149	6	EA
0149AD	SAME AS ITEM 0149	200	EA
0149AE	SAME AS ITEM 0149	200	EA
0149AF	SAME AS ITEM 0149	200	EA

0150 NSN 1H 2090-01-284-4325
 LOCKER DOOR
 ASSEMBLY WITH
 COMBINATION LOCK
 DWG 5959312A, DET 45D
 PC#-QTY: 31-1, 32-2, 91-6,
 132-1, 133-1, 135-1, 136-1
 SUBASSEMBLY NO. 43D

0150AA	SAME AS ITEM 0150	6	EA
0150AB	SAME AS ITEM 0150	6	EA
0150AC	SAME AS ITEM 0150	6	EA
0150AD	SAME AS ITEM 0150	6	EA
0150AE	SAME AS ITEM 0150	6	EA
0150AF	SAME AS ITEM 0150	6	EA

0151 NSN 1H 2090-01-284-4326
 LOCK, COMBINATION
 DWG 5959312A, PC31
 PC#-QTY: 31-1
 SUBASSEMBLY NO. 43D1

0151AA	SAME AS ITEM 0151	6	EA
0151AB	SAME AS ITEM 0151	6	EA
0151AC	SAME AS ITEM 0151	6	EA
0151AD	SAME AS ITEM 0151	6	EA

0151AE	SAME AS ITEM 0151	6	EA
0151AF	SAME AS ITEM 0151	6	EA

0152 NSN 1H 2090-01-284-4327
DOOR, EEBD
COMPARTMENT
DWG 5959312A, DET 47C
PC#-QTY: 34-1, 14-1, 36-2,
91-2, 103-2, 137-1, 138-1
SUBASSEMBLY NO. 47D

0152AA	SAME AS ITEM 0152	6	EA
0152AB	SAME AS ITEM 0152	6	EA
0152AC	SAME AS ITEM 0152	6	EA
0152AD	SAME AS ITEM 0152	3	EA
0152AE	SAME AS ITEM 0152	3	EA
0152AF	SAME AS ITEM 0152	3	EA

0153 BERTH LOCKER LID LIFT
ASSIST SPRING
ASSEMBLY
GUDEN DWG 515182-029B
REV A
GUDEN Part Number
GGS20-P1-120

0153AA	SAME AS ITEM 0153	3426	EA
0153AB	SAME AS ITEM 0153	3426	EA
0153AC	SAME AS ITEM 0153	3426	EA
0153AD	SAME AS ITEM 0153	200	EA
0153AE	SAME AS ITEM 0153	200	EA
0153AF	SAME AS ITEM 0153	200	EA

0154 BERTH CURTAIN,
WITHOUT TRACK, TYPE 3
1070 MILLIMETER (84
INCH) LENGTH X 460
MILLIMETER (18 INCH)
HEIGHT
FABRIC SHALL BE
NOMEX, COLOR SHALL
BE ROYAL BLUE
FIND NUMBER 0822 ARR

0154AA	SAME AS ITEM 0154	200	ST
0154AB	SAME AS ITEM 0154	200	ST
0154AC	SAME AS ITEM 0154	200	ST
0154AD	SAME AS ITEM 0154	200	ST
0154AE	SAME AS ITEM 0154	200	ST
0154AF	SAME AS ITEM 0154	200	ST

0155 BERTH CURTAIN,
 WITHOUT TRACK, TYPE 3
 1070 MILLIMETER (84
 INCH) LENGTH X 535
 MILLIMETER (21 INCH)
 HEIGHT
 FABRIC SHALL BE
 NOMEX, COLOR SHALL
 BE ROYAL BLUE
 FIND NUMBER 0823 ARR

0155AA	SAME AS ITEM 0155	4300	ST
0155AB	SAME AS ITEM 0155	4300	ST
0155AC	SAME AS ITEM 0155	4300	ST
0155AD	SAME AS ITEM 0155	400	ST
0155AE	SAME AS ITEM 0155	400	ST
0155AF	SAME AS ITEM 0155	400	ST

0156 BERTH CURTAIN,
 WITHOUT TRACK, TYPE 3
 1070 MILLIMETER (84
 INCH) LENGTH X 610
 MILLIMETER (24 INCH)
 HEIGHT
 FABRIC SHALL BE
 NOMEX, COLOR SHALL
 BE ROYAL BLUE
 FIND NUMBER 0824 ARR

0156AA	SAME AS ITEM 0156	450	ST
0156AB	SAME AS ITEM 0156	450	ST

0156AC	SAME AS ITEM 0156	450	ST
0156AD	SAME AS ITEM 0156	50	ST
0156AE	SAME AS ITEM 0156	50	ST
0156AF	SAME AS ITEM 0156	50	ST

0157 BERTH CURTAIN, FAN
 PANEL, WITHOUT TRACK,
 TYPE 3
 166 MILLIMETER LENGTH
 X 310 MILLIMETER
 HEIGHT
 FABRIC SHALL BE
 NOMEX, COLOR SHALL
 BE ROYAL BLUE
 FIND NUMBER 0805 ARR

0157AA	SAME AS ITEM 0157	6	EA
0157AB	SAME AS ITEM 0157	6	EA
0157AC	SAME AS ITEM 0157	6	EA
0157AD	SAME AS ITEM 0157	6	EA
0157AE	SAME AS ITEM 0157	6	EA
0157AF	SAME AS ITEM 0157	6	EA

0158 BERTH CURTAIN, FAN
 PANEL, WITHOUT TRACK,
 TYPE 3
 166 MILLIMETER LENGTH
 X 387 MILLIMETER
 HEIGHT
 FABRIC SHALL BE
 NOMEX, COLOR SHALL
 BE ROYAL BLUE
 FIND NUMBER 0806 ARR

0158AA	SAME AS ITEM 0158	6	EA
0158AB	SAME AS ITEM 0158	6	EA
0158AC	SAME AS ITEM 0158	6	EA
0158AD	SAME AS ITEM 0158	6	EA
0158AE	SAME AS ITEM 0158	6	EA
0158AF	SAME AS ITEM 0158	6	EA

0159 BERTH CURTAIN, FAN
 PANEL, WITHOUT TRACK,
 TYPE 3
 166 MILLIMETER LENGTH
 X 463 MILLIMETER
 HEIGHT
 FABRIC SHALL BE
 NOMEX, COLOR SHALL
 BE ROYAL BLUE
 FIND NUMBER 0807 ARR

0159AA	SAME AS ITEM 0159	6	EA
0159AB	SAME AS ITEM 0159	6	EA
0159AC	SAME AS ITEM 0159	6	EA
0159AD	SAME AS ITEM 0159	6	EA
0159AE	SAME AS ITEM 0159	6	EA
0159AF	SAME AS ITEM 0159	6	EA

0160 9Z-5325-00-174-2889
 SNAP, SOCKET FOR FAN
 NICKEL PLATED
 MATERIAL
 USE WITH RIVET FIND
 NUMBER 0193 ARR

0160AA	SAME AS ITEM 0160	6	EA
0160AB	SAME AS ITEM 0160	6	EA
0160AC	SAME AS ITEM 0160	6	EA
0160AD	SAME AS ITEM 0160	6	EA
0160AE	SAME AS ITEM 0160	6	EA
0160AF	SAME AS ITEM 0160	6	EA

0161 STOWAGE, CONTAINER
 FOR EEBD
 IAW DWG 803 5751208,
 ALUMINUM MATERIAL
 FOR EMERGENCY
 ESCAPE BREATHING
 DEVICE
 FIND NUMBER 0224 ARR

0161AA	SAME AS ITEM 0161	500	EA
0161AB	SAME AS ITEM 0161	500	EA

0161AC	SAME AS ITEM 0161	500	EA
0161AD	SAME AS ITEM 0161	50	EA
0161AE	SAME AS ITEM 0161	50	EA
0161AF	SAME AS ITEM 0161	50	EA

0162 NSN 1H 2090-01-284-4306
SHOCK HARDENING, SEE
DRAWING 5959312A FOR
REQUIREMENTS
DWG 5959312A, SHEET 9
SUBASSEMBLY NO. 67C1

0162AA	SAME AS ITEM 0162	6	EA
0162AB	SAME AS ITEM 0162	6	EA
0162AC	SAME AS ITEM 0162	6	EA

0163 PACKAGING OF
SUBASSEMBLIES INTO
BERTH UNIT KITS

0163AA	SAME AS ITEM 0163	1458	EA
0163AB	SAME AS ITEM 0163	1458	EA
0163AC	SAME AS ITEM 0163	1458	EA

0164	TRANSPORTATION CHARGES	1	LOT
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NSP*

0165 TECHNICAL DATA FOR
LIGHTWEIGHT MODULAR
BERTHS (ITEMS 0001
THROUGH 0161). ALL
DATA SHALL BE IN
ACCORDANCE WITH DD
FORM 1423, CONTRACT
DATA REQUIREMENTS
LISTS, EXHIBIT A
HERETO.

0165AA	PRELIMINARY PRODUCT DRAWING & ASSOCIATED LISTS SEQUENCE A001	1	LO	NSP*
0165AB	FINAL PRODUCT DRAWING & ASSOCIATED LISTS SEQUENCE A002	1	LO	
0165AC	REVISED PRODUCT DRAWING & ASSOCIATED LISTS SEQUENCE A003	1	LO	NSP*
0165AD	PRELIMINARY BERTH UNIT ISOMETRIC INSTALLATION DWG SEQUENCE A004	1	LO	NSP*
0165AE	FINAL BERTH UNIT ISOMETRIC INSTALLATION DWG SEQUENCE A005	1	EA	
0165AF	FIRST ARTICLE TEST PROCEDURE SEQUENCE A006	1	EA	NSP*
0165AG	FIRST ARTICLE TEST REPORT SEQUENCE A007	1	EA	
01654AH	HIGH IMPACT (H.I.) SHOCK TEST PROCEDURE SEQUENCE A008	1	EA	NSP*
0165AJ	HIGH IMPACT (H.I.) SHOCK TEST REPORT SEQUENCE A009	1	EA	

TOTAL FOR LINE ITEMS 0001 THROUGH 0165 \$

* NSP – Not Separately Priced

SECTION C Descriptions and Specifications

**Technical Procurement Specification
For
Light Weight Modular Berths**

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1.0 Scope.

- 1.1 Purpose. This specification provides both general and specific item information and requirements necessary for the procurement, manufacturing, inspection and testing of Lightweight Modular Berths. This specification modifies several of the mandatory requirements/notes as given within reference documents supporting this specification. A complete review of all documents should be accomplished in order to satisfy item procurement and manufacturing requirements as stated herein.

This specification also provides the flexibility to order berth units in kit form for each different configuration and also orders spare or loose parts in kit form.

- 1.2 Design. The Lightweight Modular Berth design is detailed in NAVSEA TYPE Drawing 804-5959312, Revision "A". This drawing depicts various berth types or berth unit configurations for Crew, Troop, and CPO berth units. Berth types or unit configurations may range from 2 to 4-High sleeping surfaces with several vertical surface clearances; with short, medium or long berth unit lengths; with various combinations of berth lockers and berth pans; and associated items of berth outfitting.

- 1.3 Subassemblies. Each berth unit is made up of a number of individual subassemblies, such as the Sub-base, Head and Foot Boards, Insert Panels, Back Panels, Berth Lockers and/or Pans, Berth Lights and so forth. The NAVSEA TYPE drawing illustrates a complete or basic berth with such subassemblies installed. However, depending on the specific ship project installation, various subassemblies such as Insert Panels and/or Back Panels can often be deleted from the basic berth unit. For example, two (2) 3-High berth units placed back-to-back would permit the deletion of one or two Back Panels from one (1) of the 3-High berth units. Similarly, placement of the Foot Board against a bulkhead may allow deletion of some or all of the Foot Board Insert Panels.

The Head Board and Foot Board are open-framed structures that provide structural stability to the berth unit. Insert Panels are added into these open frames for privacy concerns. Conversely, the Back Panels furnish both structural stability and privacy to the berth unit. Depending on the berth installation location within the compartment, omission of one or more Back Panels maybe necessary in order to provide maintenance accesses through the berth unit for hull or bulkhead inspections, cleaning or facilitating damage control efforts. When such Back Panels are removed from a berth unit, structural stability of the unit must be maintained. This can be done by either securing the berth unit to an adjoining berth unit in a back-to-back arrangement, or by securing the unit to an adjacent ship's structure, or by the installation of diagonal Cross Bracing. Deletion of Insert and Back Panels, in different combinations, results in a significant weight reduction and cost savings per berth unit.

- 1.4 Berth Identification (ID) Number (BIN or Find Number). The utilization of different combinations of Insert and Back Panels results in a very large number of possible berth configurations. In order to identify each possible combination as a unique berth configuration, a Berth Identification (ID) Number is utilized. This number is also referred to as the BIN or the Find Number. The Berth ID (BIN or Find Number) is composed of two parts: the Basic Berth Number followed by the Berth Extension Letters. Identifying each berth configuration requires utilizing the Berth Identification (ID) Number Chart (Figure 1).

- 1.4.1 Basic Berth Number. The Basic Berth Number identifies the basic berth unit by the number of sleeping surfaces, the number of berth lockers (when utilized), and a numerical code identifying the berth size and style. The numerical code identifies the vertical spacing between sleeping surfaces and the berth length, including end use suitability for accommodating Crew, Troop or CPO personnel.

- 1.4.2 Berth Extension letters. The Berth Extension letters allow for the identification of options or additional requirements to the basic berth. Extension letters may identify omitted Insert and Back Panels, additional berth outfitting items, requirement for an Emergency Escape Kick-Out Panel assembly installation, or unit to meet High Impact shock qualifications, i.e. Extension Letter "W".

- 1.5 Berth Identification (ID) Number Chart. Figure 1 furnishes the information required to decode the Berth Identification (ID) Number (BIN or Find Number) into simplified descriptions for berth configurations and associated berth outfitting requirements.

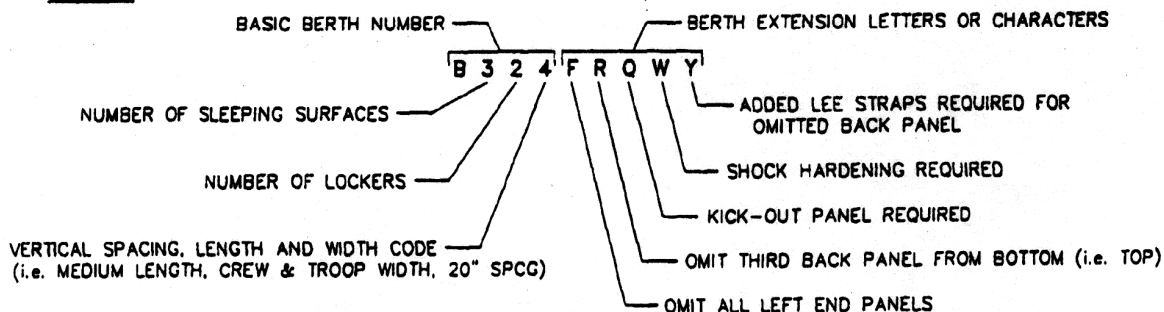
TECHNICAL PROCUREMENT SPECIFICATION For LIGHT WEIGHT MODULAR BERTH

FIGURE 1

BERTH IDENTIFICATION (ID) NUMBER CHART

BIN OR FIND NUMBER

BASIC BERTH NUMBER --"B" FOLLOWED BY 3 DIGITS:
 --NUMBER OF SLEEPING SURFACES
 --NUMBER OF LOCKERS (BALANCE ARE PANS)
 --CODE FROM TABLE BELOW INDICATING VERTICAL SPACING (SPCG), LENGTH AND WIDTH.

EXAMPLE:**VERTICAL SPACING, LENGTH AND WIDTH CODE**

ID NO. CODE	DRAWING DESCRIPTION	COMMON DESCRIPTION
0	SIZE 1, STYLE 1	SHORT, CRW/TRP, 18" SPCG
1	SIZE 2, STYLE 1	MEDIUM, CRW/TRP, 18" SPCG
2	SIZE 3, STYLE 1	LONG, CRW/TRP, 18" SPCG
3	SIZE 1, STYLE 2	SHORT, CRW/TRP, 20" SPCG
4	SIZE 2, STYLE 2	MEDIUM, CRW/TRP, 20" SPCG
5	SIZE 3, STYLE 2	LONG, CRW/TRP, 20" SPCG
6	SIZE 4, STYLE 2	MEDIUM, CPO, 20" SPCG
7	SIZE 5, STYLE 2	LONG, CPO, 20" SPCG
8	SIZE 4, STYLE 3	MEDIUM, CPO, 23" SPCG
9	SIZE 5, STYLE 3	LONG, CPO, 23" SPCG

SIZE=LENGTH AND WIDTH

- 1 = SHORT, CRW/TRP
 2 = MEDIUM, CRW/TRP
 3 = LONG, CRW/TRP
 4 = MEDIUM, CPO
 5 = LONG, CPO

SHORT LENGTH = 75-3/4"
 MEDIUM OR STANDARD LENGTH = 79-1/4"
 LONG LENGTH = 83-1/4"
 CRW/TRP, CREW/TROOP WIDTH = 27-3/4"
 CPO WIDTH = 29-3/4"

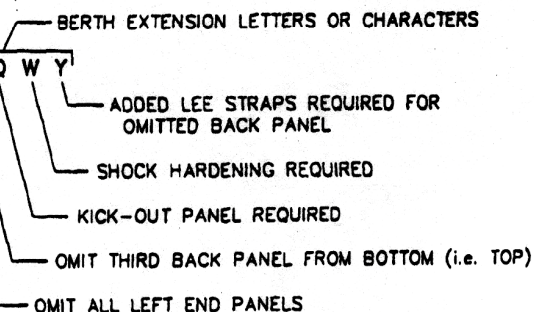
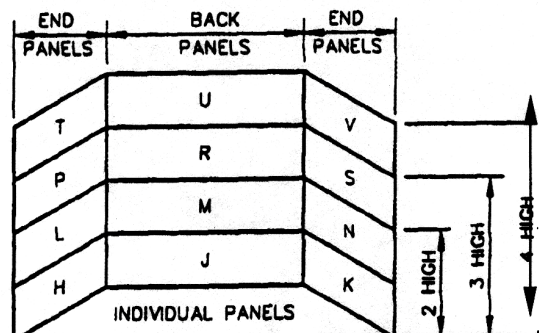
STYLE=VERTICAL SPACING

- 1 = 18" SPACING
 2 = 20" SPACING
 3 = 23" SPACING

"TYPE" NOTATION USED ON TYPE DRAWING

TYPE	CRW/TRP	TYPE	CPO
TYPE I	= 3HI, 3LKR	TYPE X	= 3HI, 2LKR
TYPE II	= 3HI, 2LKR	TYPE XI	= 3HI, 1LKR
TYPE III	= 3HI, 1LKR	TYPE XII	= 3HI, 0LKR
TYPE IV	= 3HI, 0LKR	TYPE XIII	= 2HI, 2LKR
TYPE V	= 4HI, 0LKR	TYPE XIV	= 2HI, 1LKR
TYPE VI	= 2HI, 2LKR	TYPE XV	= 2HI, 0LKR
TYPE VII	= 2HI, 1LKR		
TYPE VIII	= 2HI, 0LKR		

BERTH EXTENSION LETTERS --OPTIONS:
 --PANELS TO BE OMITTED FROM UNIT
 --ADDED OR DELETED REQUIREMENTS FROM BASIC BERTH

**EXTENSION LETTERS: OMITTED PANELS**

A = ALL PANELS

B = ALL BACK PANELS & RIGHT END PANELS

C = ALL BACK PANELS & LEFT END PANELS

D = ALL BACK PANELS

F = ALL LEFT END PANELS

E = ALL END PANELS

G = ALL RIGHT END PANELS

**EXTENSION LETTERS:
ADDED OR DELETED REQUIREMENTS**

- ⊖ = WITHOUT BERTH LIGHT (SEE ELEC PL)
 X = CROSS BRACING REQUIRED
 Y = ADDITIONAL LEE STRAPS REQUIRED DUE TO OMITTED BACK PANEL(S)
 Z = ADDITIONAL CURTAIN TRACK REQUIRED
 Q = KICK-OUT PANEL FOR EMERGENCY ESCAPE REQUIRED
 W = SHOCK HARDENING REQUIRED
 * = WITHOUT FAN ASSEMBLIES
 \$ = WITHOUT LEE STRAPS
 # = WITHOUT SUBBASE (SEPERATELY ORDERED/SHIPPED)

2.0 Applicable Documents.

- 2.1 Applicable Specifications. The document references listed below are considered first tier reference documents and form a part of this contract. First tier reference documents may identify other reference documents (not listed) required to support and clarify stated first tier document requirements.

SPECIFICATION		SLASH NO.	REV	DATE	DISTR STMT	AMEND	NOTICE
NUMBER	TYPE						
A-A-1936	CID		A	25 FEB 00	A		2
A-A-50598	CID			22 MAY 92	A		
A-A-59109	CID		B	16 APR 01	A		
A-A-59473	CID			23 JUN 99	A		
ASTM-A336/336M	COML		99	10 JAN 99	A		
ASTM-A36/A36M	COML		01	10 SEPT 01	A		
ASTM-B209	COML		02	10 APR 02	A		
ASTM-D3951-98	COML		98	10 NOV 98	A		
ASTM-E2072-00	COML		98	10 FEB 00	A		
ASTM-F1178-01	COML		01	10 JUN 01	A		
FED-STD-595	FEDERAL			11 JAN 94	A		1
MIL-PRF-24712 MIL-PRF-24712	MILITARY MILITARY		A A	19 MAR 97 25 MAY 95	A A	1	
MIL-C-24640 QPL-24640-22	MILITARY		B	22 AUG 02 23 AUG 02	A A		
MIL-DLT-31000	MILITARY		B	14 DEC 01	A		
MIL-F-16377 MIL-F-16377	MILITARY MILITARY	17	G A	22 JUN 89 02 AUG 96	A A		1
MIL-S-901	MILITARY		D	17 MAR 89	A		
MIL-STD-129	MILITARY		N	15 MAY 97	A		
MIL-STD-130	MILITARY		J	01 JUN 97	A		
QPL-TT-E-489-48	FEDERAL		48	14 JAN 98	A		

2.2 Navy Type and Standard Drawings.

2.2.1 NAVSEA TYPE Drawing.

? 804 - 5959312 Revision A; Lightweight Modular Berth

2.2.2 NAVSEA STANDARD Drawings.

? 803 - 5751208 Revision A; Emergency Escape Breathing Device Stowage Container

? 803 - 5001001 Revision D; M-16 Rifle Rack

2.2.3 NAVSEA Drawing.

? 807 - 6251154 Revision "-"; Standard Details (Rifle Rack MODS and MTG Details)

2.3 Document Ordering Information. The contractor/manufacturer must obtain all applicable document references and in addition to other document references that are not listed. Refer to Clause 52.211-2 contained in Section L of the solicitation.

2.4 Order Of Precedence.

2.4.1 Where the requirements of the contract differ from those of the applicable drawing(s) or reference specification(s) cited herein, the contract description and notes shall prevail.

2.4.2 Where the requirements of the applicable drawing or this technical specification differ from those of other reference specifications, the drawing and technical specification shall prevail.

2.5 List of Figures.

- ? FIGURE 1 - Berth Identification (ID) Number Chart, page 5
- ? FIGURE 2 - Knockout Pattern, page 11
- ? FIGURE 3 - Center Hinge Reinforcement, page 14
- ? FIGURE 4 - Center Hinge Reinforcement Installation, page 15
- ? FIGURE 5 - Spring Bracket Doubler Plate, page 16
- ? FIGURE 6 - Spring Bracket Doubler Plate Installation, page 17
- ? FIGURE 7 - Spring Bracket, page 18
- ? FIGURE 8 - Fan Housing, page 22
- ? FIGURE 9 - Fan Housing Cover And Trim, page 23
- ? FIGURE 10 - Fan Typical Installations, page 24
- ? FIGURE 11 - Gas Spring Orientation, page 26
- ? FIGURE 12 - Gas Spring Mounting Hardware, page 27
- ? FIGURE 13 - Shipping Crate Sketch, page 32

3.0 Requirements. (NOTE: Item descriptions and related piece numbers identified in this technical procurement specification are identical to those items identified in NAVSEA TYPE Drawing 804 - 5959312, Revision "A". Therefore, wherever NAVSEA TYPE Drawing is stated within, items and piece numbers are referenced from drawing 804 - 5959312, Revision "A".)

3.1 Design and Manufacturing. Lightweight Modular Berth unit including each berth unit subassembly and/or component and articles of berth outfitting shall:

- ? Conform to the design requirements of the NAVSEA TYPE Drawing 804 - 5959312 Revision "A" and the stated requirements of this technical procurement specification.
- ? Conform to material and manufacturing requirements of the individual product or process specification listed in this technical procurement specification.
- ? Be free from slivers, burrs, sharp edges and so forth which may result in injury to personnel engaged in the handling and/or erection of subassemblies and/or components that form each berth unit.

NOTE: There is no extension of any previous drawing approvals for application under this contract. All items shall be produced strictly in accordance with the Contract Line Items, invoked drawings and requirements of the contract except as specifically authorized by approved engineering change proposal, deviation and so forth for this contract solicitation.

3.2 Fasteners.

3.2.1 Hardware. All exposed hardware shall be in accordance with the material requirements stated in the NAVSEA TYPE Drawing and this technical procurement specification.

3.2.2 Hardware Quantities. The contractor/manufacturer of the berth unit is responsible for providing all hardware items needed to successfully assemble and erect each berth unit, regardless of the fastener quantities listed as individual contract line item descriptions or as referenced in the NAVSEA TYPE Drawing.

3.2.3 Additional Hardware. In addition to the above, the contractor/manufacturer shall provide 20 percent more fasteners than would typically be needed for on-site field connections. These overage quantities are generally not included in contract line item descriptions.

3.2.4 Hardware Exceptions. The contractor/manufacturer will not furnish Welding Studs, Threaded Studs, Stud Sockets and Hex Nuts (piece numbers 43, 44, 45 and 46 respectively), Anti-kick-in Clips (piece number 47), Flashing (piece number 88) and Blind Rivets (piece number 131).

3.2.5 Dual Hardware for Spares. Where there are two possible fasteners for a particular joint connection, both types of fasteners shall be provided for on-site field assembly. For example, a Spare Berth Locker could be installed within the berth unit as either a Bottom/Intermediate/Top Berth Locker so it would be provided with four (4) Hex Head Machine screws, six (6) Pan Head Machine screws, and six (6) nuts.

3.2.6 Hardware Item Changes.

3.2.6.1 Step/Lift Handles. Fasteners for Step/Lift Handles (piece numbers 53 and 90) shall be piece numbers 73 and 74, except Hex nut (piece number 74) shall be acorn or cap type nuts.

3.2.6.2 Bottom Berth Lockers and Berth Pans. One (1) #10 CRES washer shall be provided with each fastener (piece number 72) for attaching the Bottom Locker and/or Pan to the Sub-base.

3.2.6.3 Lee Strap. Acorn or cap type nuts shall be furnished and length of Machine Screw or bolt shall suit strap installation.

3.2.6.4 Cardholder. Each Cardholder (piece number 68) furnished shall have two (2) 6-32 UNC CRES Flat Head Machine screws and acorn or cap type lock nuts of equal material and thread design.

3.3 Sub-base Trim.

3.3.1 Steel Deck. Sub-base Trim (piece number 41) shall be 2-1/2 inches high in lieu of 1-3/4 inches; the height identified in Detail 63-E of the NAVSEA TYPE Drawing.

3.3.2 Aluminum Deck. Sub-base Trim (piece number 42) shall be 4 inches high in lieu of 2-3/8 inches; the height identified in Detail 63-D of the NAVSEA TYPE Drawing.

3.3.3 Rear Recess Modification. The recess across the back of the Sub-base as shown in Detail 61-B of the NAVSEA TYPE drawing shall be 0.175 inches in lieu of 1/8 inch.

3.3.4 Sub-Base Corner Bracket Modification. A minimal weight version of the formed steel components that span from front to back across each Sub-base end as detailed in paragraph 7.4.1 could be considered for replacing Sub-base Corner Brackets (piece numbers 125 through 128) for non-shock hardened berth units. The proposed design must be properly detailed prior to submitting the design for technical review and approval.

3.4 Level of Berth Unit Assembly. Each berth unit shall be assembled and made ready for field installation to the maximum extent possible. Each Subassembly shall be fully assembled and provided with all mounting holes as specified on the NAVSEA TYPE drawing and as required herein. In addition, the contractor/manufacturer is responsible for ensuring that all Subassemblies fit together properly when assembled in accordance with the manufacturer's isometric assembly drawing and supporting erection sequence instructions.

3.4.1 Curtain Track. Curtain track (piece number 65) shall be factory installed on each Grab Bar (piece number 63) and on the bottom front edge of each Intermediate and Upper Berth Locker and/or Berth Pan when ordered as part of a berth unit.

3.4.1.1 Spare Berth Lockers. When procured as Spares, Berth Lockers shall be furnished without Curtain Tracks installed.

3.4.1.2 Spare Grab Bars. When procured as Spares, Curtain Tracks shall be factory installed on each Grab Bar.

3.4.2 Step/Lift Handles. Step/Lift Handles (piece numbers 53 and 90) shall be shipped loose with Berth Lockers and Berth Pans. However, all Berth Lockers and Pans must be furnished with pre-drilled mounting holes and the Step/Lift Handle must be installed for inspection prior to shipment. (NOTE: The Step/Lift Handle is a component of the Berth Locker solicitation line item. For Berth Pans, the Step/Lift Handle is separately itemized).

3.4.3 Insert Panels. Insert Panels (piece number 50) shall be factory installed in Head/Foot Board Frame Assemblies.

3.4.4 Kick-Out Panel and Frames. Emergency Escape Kick-Out Panel and Frame shall be factory installed in Bottom Back Panels for berth units ordered with this item. Installation location is detailed in paragraph 3.10.1.

3.4.5 Cardholder. Cardholders (piece number 68) shall be shipped loose (paragraph 5.2.1.2 refers).

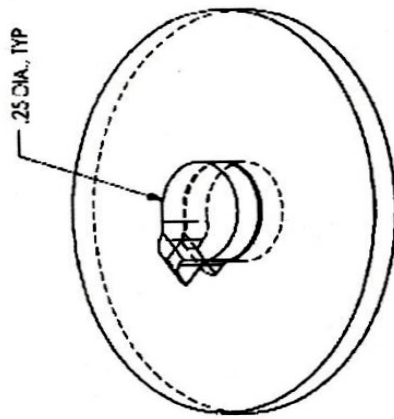
- 3.4.6 "Long Berth" Label Plate. "Long Berth" Label Plate (piece number 140) shall be shipped loose with each long Grab Bar (piece number 63), (paragraph 5.2.1.2 refers).
- 3.4.7 Towel Bars. Towel Bars (piece number 54) shall be shipped loose (paragraph 5.2.1.2 refers).
- 3.4.8 Mounting Holes.
- 3.4.8.1 Step. Mounting holes for Steps (piece numbers 61 and 62) shall not be provided. Item will be field drilled to suit each berth unit's Head/Foot Board on-site arrangement.
- 3.4.8.2 Berth Light. In order to reduce drilled-hole requirements, 1/4-inch diameter multiple knockouts shall be furnished on both ends of each Cover Panel (piece number 33), Berth Locker and Berth Pan to suit the field mounting of Berth Lights (piece number 49) to either a Style 1 or Style 2 Berth unit (similar to Figure 2). Locations of knockouts shall be in accordance with top mounting dimensions of Light Fixture Symbol 232.1 as per MIL-F-16377/17 and Note 25 of the NAVSEA TYPE Drawing.
- 3.4.8.2.1 Spare Berth Lockers. Lockers procured as Spares shall be furnished with knockouts.
- 3.4.8.2.2 Berth Light Bracket. Brackets shall be provided with drilled-holes and shall be in accordance with Detail 55-A.
- 3.4.8.3 EEBD Stowage Container Bracket. Provide mounting holes on EEBD Stowage Container Bracket (piece number 87) to suit the drill-hole pattern and size as specified on NAVSEA STANDARD Drawing 803-5751208. Offset stowage containers back one (1) inch from the back of the Container Bracket for drill hole pattern location.
- 3.4.8.4 Towel Bar. Mounting holes on Head/Foot Board for Towel Bar (piece number 54) shall not be provided.
- 3.4.8.5 Cardholder. Mounting holes on Berth Locker/Pan for Cardholder (piece number 68) shall not be provided.
- 3.4.8.6 "Long Berth" Label Plate. Mounting holes on Berth Locker/Pan for Label Plate (piece number 140) shall not be provided.
- 3.4.8.7 Bottom Lockers and Pans. Bottom Berth Lockers and Pans shall be furnished with four- (4) 3/8-inch diameter mounting holes located at each corner in lieu of the four- (4) 7/32 by 3/8-inch slotted openings shown on the NAVSEA TYPE drawing. The two- (2) 7/32 by 3/8-inch slotted openings located at the middle of each locker or pan end (Detail 27-D) shall not be provided.
- 3.4.8.8 Ring Keeper. Provide mounting holes to suit Ring Keeper (piece number 67) installation on each Berth Locker, Berth Pan and Grab Rod.
- 3.4.8.9 Lee Strap Assembly. Mounting holes on Berth Locker/Pan for Eyelet (piece number 60) shall not be provided unless Lees Strap assemblies are identified in the Berth Identification Number (BIN or Find Number).
- 3.4.9 Locker Lid Lift Assist Spring Assembly.
- 3.4.9.1 Spring assembly shall be factory installed in each Upper/Intermediate/Lower Berth Locker when ordered as part of a berth unit.

3.5 Berth Lockers and Berth Pans.

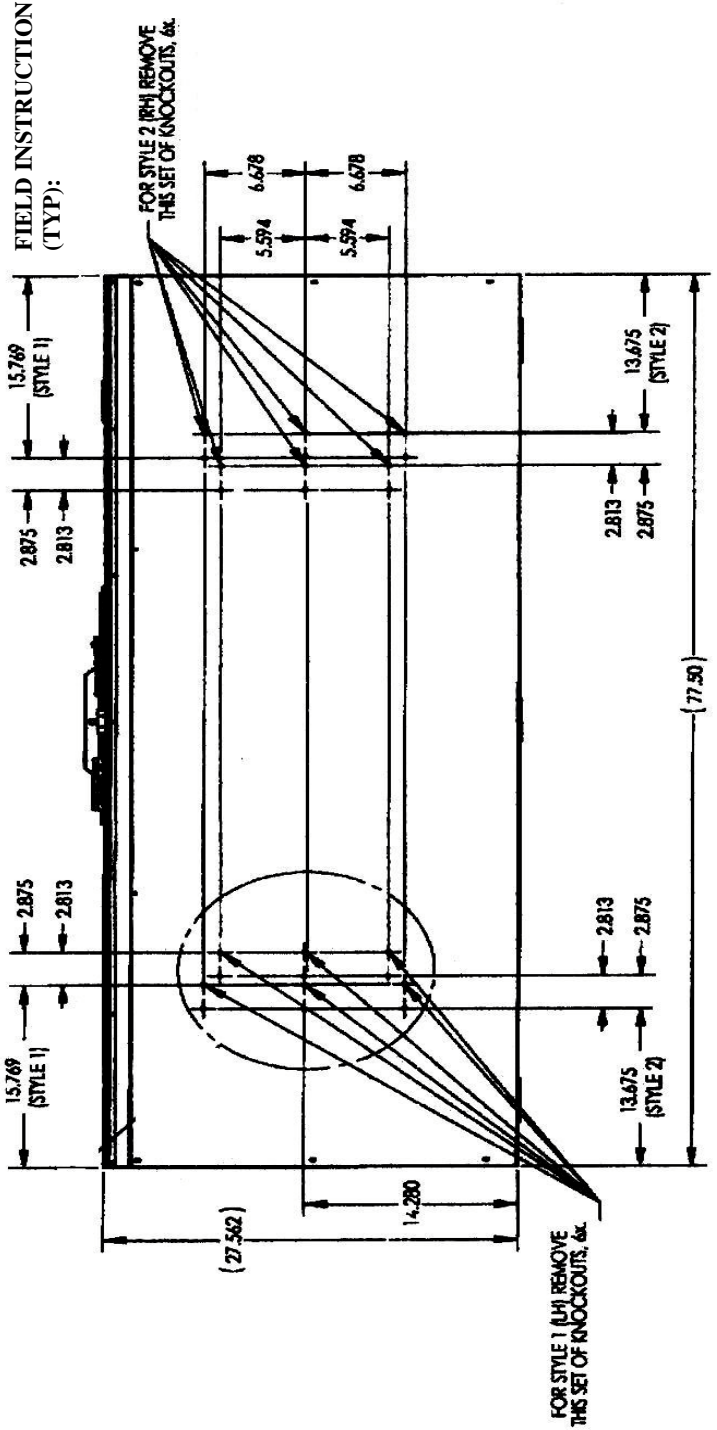
- 3.5.1 Hasp/Staple. Staple (piece number 23) as shown in Detail 39-C shall be modified by increasing the dimension locating the center of the lock hole from $11/32$ inches to $7/16$ inches.

TECHNICAL PROCUREMENT SPECIFICATION for LIGHT WEIGHT MODULAR BERTH

FIGURE 2
KNOCKOUT PATTERN



LOOKING FROM INSIDE OF LOCKER



3.5.2 Welds.

3.5.2.1 Locker Door. The contractor/manufacture shall provide three- (3) 1-inch long edge welds, set at 3 inches apart and ground flush, securing the bottom portion of Locker Door Frame (piece number 30) to the Berth Locker front extrusion (piece numbers 10 or 11) along the cut-out opening (see Detail 45-D)

3.5.2.2 Hinged Berth Lid/Berth Rail. The back corner joints of Berth Rail extrusion (piece number 20) shall be completely welded on both sides of the joint and ground smooth, and butt welded entirely along the underside then ground flush. The front corner joints of Berth Rail extrusions (piece numbers 19 and 20) and End Plate (piece number 114) shall be completely welded (butt and fillet) on the inside, except in way of Bottom Panel (piece number 21), (Detail 35-E refers).

3.5.2.3 Berth Pan/Berth Rail. The inside joints of Berth Rail extrusions (piece number 19) shall be completely welded (butt and fillet), except in way of Bottom Panel (piece number 21), (Detail 39-E refers).

3.5.3 Locker Door. The location dimension for the 0.312 inch diameter bolt hole for the Combination Lock (piece number 31) shall be 5.17 inches from the left edge of Locker Door in lieu of 2.33 inches from the right edge of the door as shown in Detail 45-D.

3.5.4 Locker Lid Lift Assist Spring Assembly.

3.5.4.1 Center Hinge Reinforcement. For all Crew berth locker units, the Center Hinge Reinforcement (piece number 17) shall be modified from the design detail identified in Section 29-A to suit the new design detail provided in Figure 3 and the installation requirement provided in Figure 4.

3.5.4.2 Spring Bracket Doubler Plate. A Spring Bracket Doubler plate shall be manufactured to the design guidance provided in Figure 5 and factory installed in accordance with the installation requirement provided in Figure 6 for all Crew berth locker units.

3.5.4.3 Spring Brackets. Spring Brackets for mounting the gas spring shall be manufactured to the design guidance provided in Figure 7 and factory installed in accordance with the installation requirement provided in Figure 8 for all Crew berth locker units.

3.6 Head/Foot Board Frame.

3.6.1 Similar Frame Assemblies. When the Head/Foot Board Frame assemblies are the same due to the inclusion or omission of the same Insert Panels, only one of the Frame assemblies shall be furnished with two- (2) 9/16 by 1-1/2-inch elongated wiring access holes in accordance with Detail 20-A.

3.6.2 Dissimilar Frame Assemblies. When the Head/Foot Board Frame assemblies are different due to the omission of Insert Panels, both of the Frame assemblies shall be furnished with two- (2) 3/4-inch wiring access holes, centered one (1) inch below the Intermediate Rail (piece number 2), similar to Detail 20-A.

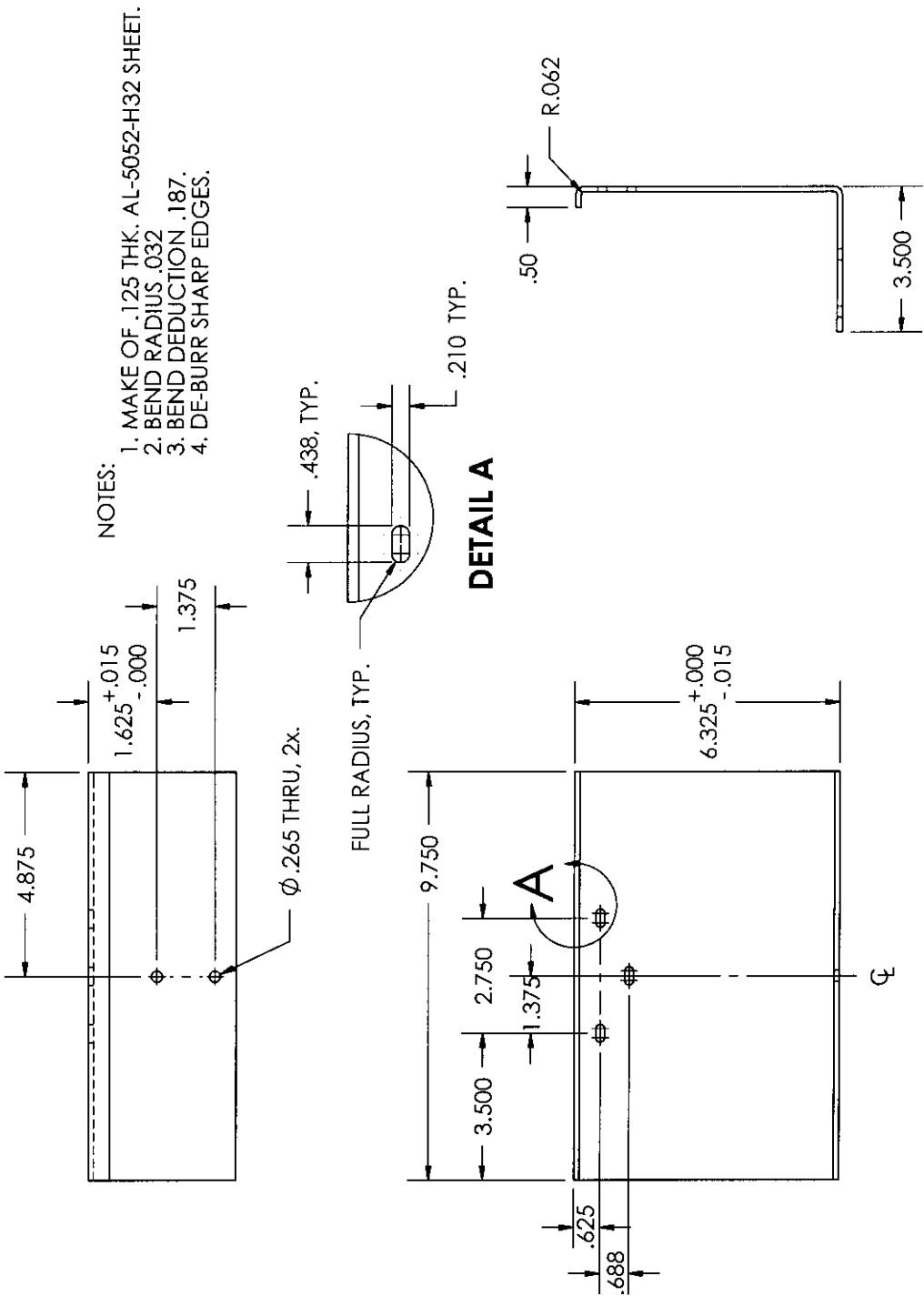
3.6.2.1 Protective Devices. Provide two (2) rubber grommets to suit the 3/4 inch wiring access holes and two (2) white nylon plugs (HEYCO Dome Plugs, part number 2684, item description DP-750 or equal) for each dissimilar frame assembly.

3.6.3 Frame Assembly Spares. Head/Foot Boards bought separately or as Spares shall not be furnished with wiring access holes.

- 3.6.4 Adhesive. A commercial epoxy in accordance with A-A-1936A shall be used for installing Manufacturer's Label Plate (piece number 83) to the Frame assembly.

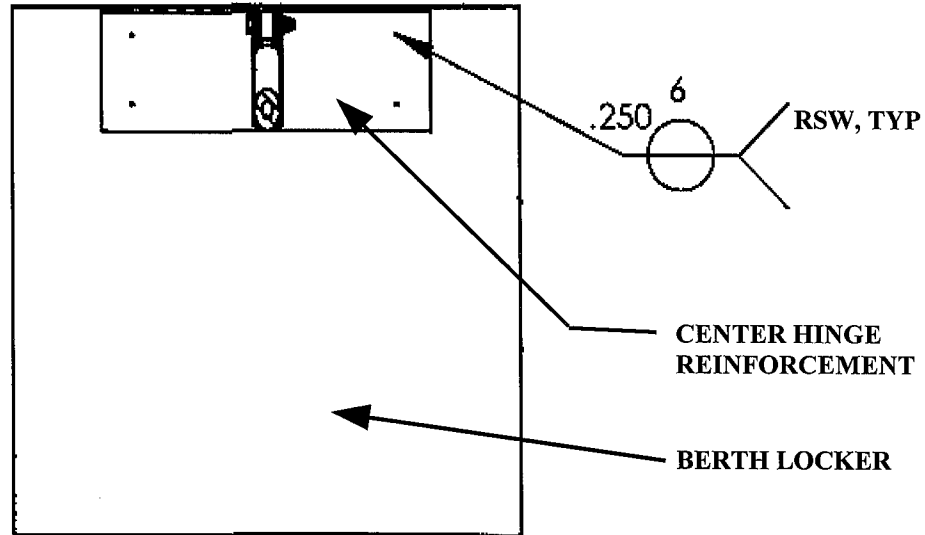
TECHNICAL PROCUREMENT SPECIFICATION for LIGHT WEIGHT MODULAR BERTH

FIGURE 3
CENTER HINGE REINFORCEMENT

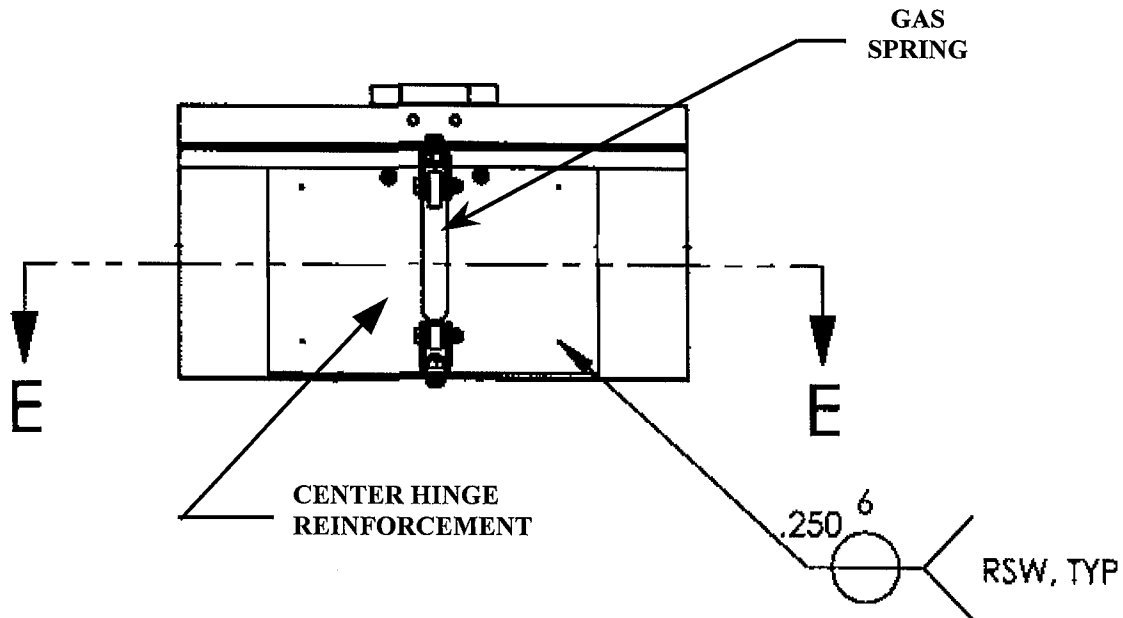


TECHNICAL PROCUREMENT SPECIFICATION for LIGHT WEIGHT MODULAR BERTH

FIGURE 4
CENTER HINGE REINFORCEMENT
INSTALLATION

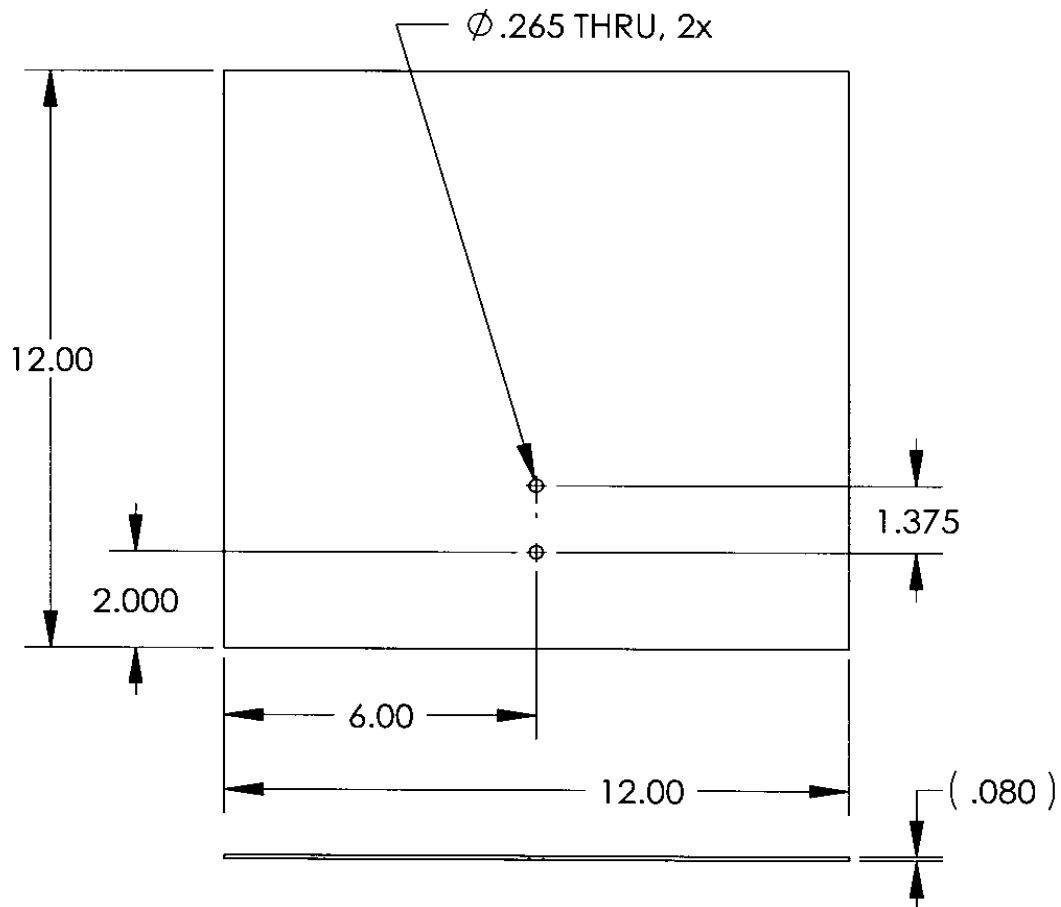


SECTION E-E



TECHNICAL PROCUREMENT SPECIFICATION for LIGHT WEIGHT MODULAR BERTH

FIGURE 5
SPRING BRACKET DOUBLER PLATE

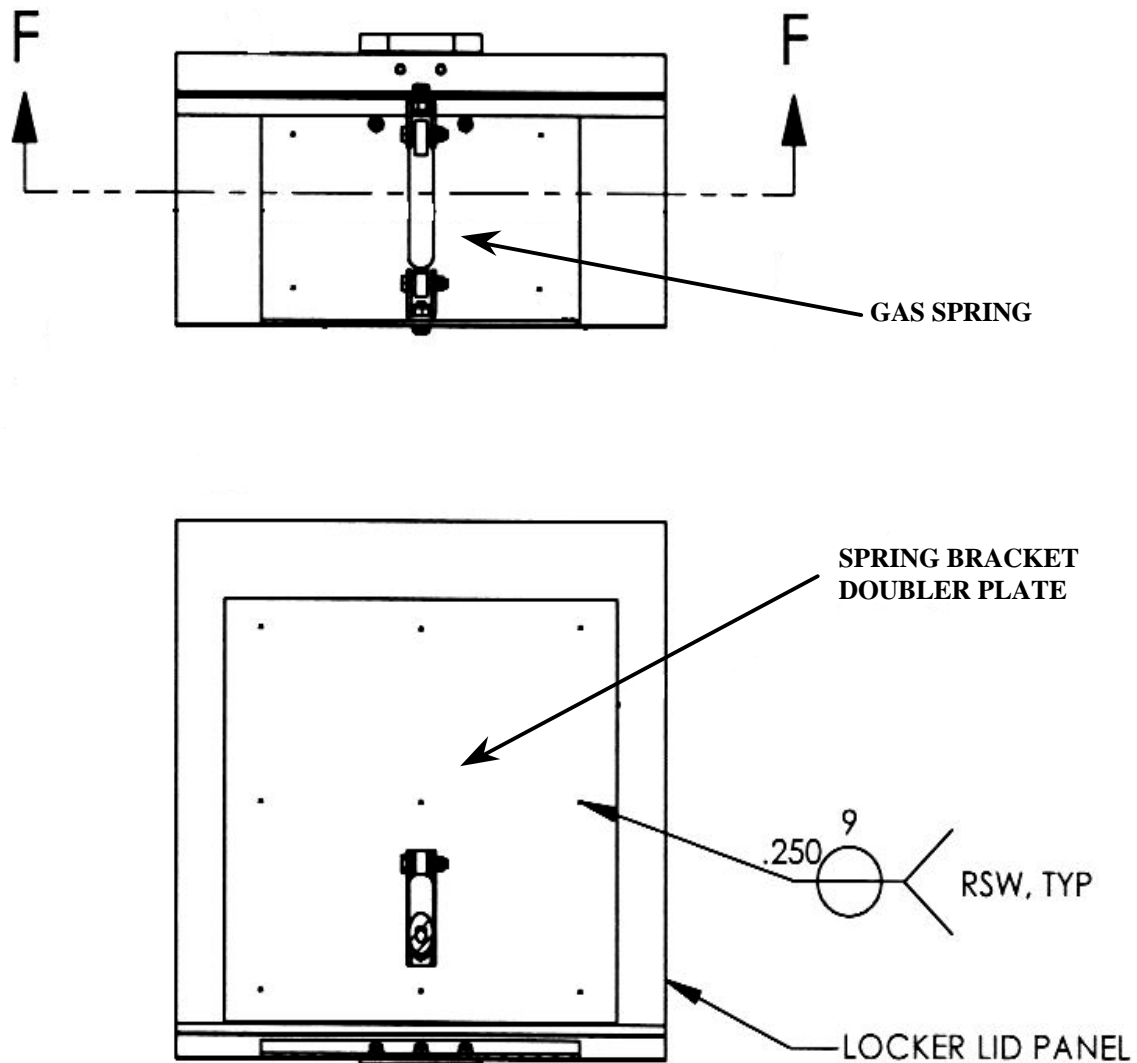


NOTES:

1. MAKE OF .080 THK. ALUMINIUM SHEET.
2. DE-BURR SHARP EDGES.

TECHNICAL PROCUREMENT SPECIFICATION for LIGHT WEIGHT MODULAR BERTH

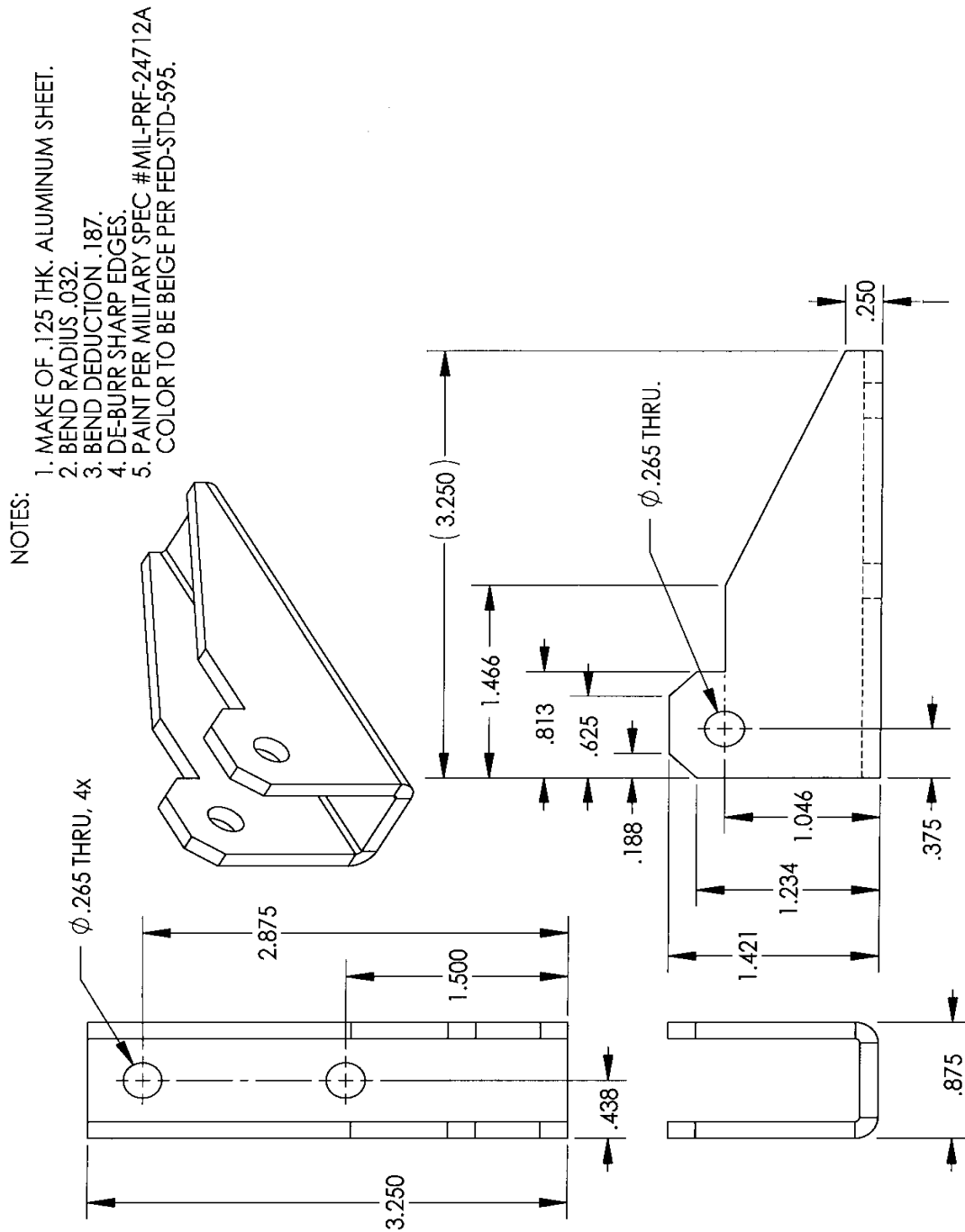
FIGURE 6
SPRING BRACKET DOUBLER PLATE
INSTALLATION



TECHNICAL PROCUREMENT SPECIFICATION for LIGHT WEIGHT MODULAR BERTH

FIGURE 7

SPRING BRACKET



3.7 EEBD Compartment and Door.

- 3.7.1 Welds. EEBD Compartment Door (piece number 34) shall be spot welded to Hinge (piece number 14) leaf with four (4) equally spaced welds, each at 400 pound strength.
- 3.7.2 Labels and Lanyard Assembly. Labels and Pull Pin/Lanyard Assembly shall be in accordance with NAVSEA STANDARD Drawing 803-5751208 Revision A and as modified below:
 - 3.7.2.1 Labels. Identification Label (piece number 5) and Pull Pin Label (piece number 6) shall conform to phosphorescent (vinyl tape) material that satisfy minimum photometric requirements per ASTM E2072.
 - 3.7.2.2 Adhesive. Pressure sensitive adhesive backing on each tape form label shall be furnished.
 - 3.7.2.3 Label Markings. The label marking shall consist of opaque red lettering and arrow symbol on top of a photo-luminescent background. Height of the "EEBD" lettering shall be identical to Detail 3-E of NAVSEA STANDARD Drawing 803 - 5751208 Rev (A). The "EEBD" label and/or the photo-luminescent background shall be 2 inches by 4-1/4 inches with 1/4 inch spacing between each letter and between label's top and bottom edges to letters.
 - 3.7.2.4 Photo-luminescent Paint System. (NOTE: Paint system shall be applied in accordance with the paint manufacturer's recommendations).
 - 3.7.2.4.1 Paint. Red paint on labels shall be high gloss alkyd enamel in accordance with QPL-TT-E-489-48, and shall match paint color 11105 of FED STD 595. A minimum of two paint coatings shall be furnished.
 - 3.7.2.4.2 Paint System. Photo-luminescent paint system shall be in accordance with A-A-50598 and satisfy minimum photometric requirements per ASTM E2072.

3.8 Cross Bracing.

- 3.8.1 Extension Letter "X". When Cross Bracing subassemblies 44A1 are procured as part of a berth unit, the "TO SUIT" length shown for piece number 39 in Detail 43-A shall be the length to suit the specific berth unit configuration.
- 3.8.2 Spares. When Cross Bracing (piece number 39) is procured as Spares, the "TO SUIT" length as shown in Detail 43-A shall be 46-1/2 inches, for a total Cross Brace item length of 48 inches.
- 3.8.3 Attachment. Each cross brace end shall be attached individually to the Intermediate Berth Locker body. The Cross-Brace ends may not overlap each other and may not share fasteners. Each Cross-Brace end shall be attached through the Hinge Reinforcements (piece number 17) in each Intermediate and Top Berth Locker bodies.
- 3.8.4 Spacer Material. When berth units are ordered with Cross Bracing and with one or more Top or Intermediate Back Panels, a 3-1/4 inch high by 5 inch wide by 1/8 inch thick aluminum spacer shall be spot welded with at least 2 spot welds on the bottom inside corners of each Back Panel in way of cross brace bolting areas. Spacer material fills the gap existing between the Back Panels and the Berth Lockers or Pans in areas where Cross Bracing is installed.

3.9 Berth Light.

3.9.1 Light Fixture. Berth Light Fixture (piece number 49) subassembly 55A3 shall be furnished in accordance with the following:

- ? Light Fixture with receptacle (Symbol 232.1) supplied with 7XW-3 cable in accordance with QPL-24640-19, and HEYCO part numbers 1248 and 2817 and Mid-Atlantic part number 2867 strain relief bushings (CLIN 0133).
- ? Light Fixture without receptacle (formerly Symbol 232 - NSN6230-00-578-7548) supplied with SVT 18/3 cable (CLIN 0134).

3.9.2 Paint Color. Color of fixture shall be identical to the color of the berth unit.

3.9.3 Bracket. Bracket (piece number 48) shall be furnished with 1/2 inch sized drill holes to suit Grommet (piece number 89), located as shown in Detail 55-A.

3.9.4 Grommet. Grommet (piece number 89) shall be appropriately sized to suit the 1/2 inch drill holes furnished on Bracket (piece number 48).

3.10 Kick-Out Panel and Frame Subassembly.

3.10.1 Subassembly Location. Kick-Out Panel (piece number 52) and Frame (piece number 51) subassembly 51D0 shall be located in Bottom Back Panels only. Subassembly shall be centered relative to the head and foot end of the berth unit, and the installation height shall be such that the bottom edge of the Kick-Out Panel (piece number 52) is aligned with the top of the mattress.

3.10.2 Labeling. Each subassembly shall be labeled on both sides with reflective lettering and reflective tape bands as specified below.

3.10.2.1 Reflective Lettering. Lettering shall be centered on each side of the Kick-Out Panel (piece number 52). Lettering shall be a decal of red Engineering Grade Reflective Sheathing that is die-cut weeded and pre-mask applied. Letters shall be 1-inch high and state:

WARNING
EMERGENCY ESCAPE
DO NOT OBSTRUCT

3.10.2.2 Reflective Tape Band. Tape band shall be "Reflexite Conspicuity Tape" in red/silver alternating pattern that is custom slit to 3/4 inches wide. Tape band shall be applied around both outer faces of Kick-Out Panel Frame (piece number 51). Tape shall be punched in way of the machine screws that assemble the frame. (Note: In lieu of corner miters on each section of piece number 51, tape band may stop 1/2 inch from each end screw, such that top and bottom tapes are about 32-3/4 inches in length and the side tapes are about 12-1/2 inches in length.

3.11 Curtain Track.

3.11.1 Installation. Installation shall be similar to Detail 53-C, with the Curtain Track (piece number 65) aligned with the face of the Grab Bar. Rivets are to be installed at 1-inch and 7-1/2-inches from both ends of the track and on 12-inch centers or less along the rest of the length of the track.

3.11.2 Track Aperture. Carrier tape insert aperture shall be as described per paragraph 3.1.3 of CID A-A-59473. Aperture shall be provided at 4 inches from both ends of all curtain tracks, even if the track is furnished as Spares.

- 3.11.3 Spares. When curtain tracks are ordered as Spares, they shall be 84 inches in length.
- 3.11.4 Berth ID Number w/Extension letter "Z". Berth units ordered with this extension letter shall be furnished with the required additional curtain track(s) shipped loose.

3.12 Fan.

- 3.12.1 Fan Assembly. The Fan assembly as shown on Sheet 10 of NAVSEA TYPE Drawing 804 - 5959312 (Rev. A) shall be modified where applicable and made in accordance with attached Figures 2 through 4. This modification simplifies fan unit manufacturing and facilitates field installation of fan unit.
- 3.12.2 Fan Curtain Snaps.
 - 3.12.2.1 Size. Snap (piece number 317) is female to suit male snap with a critical diameter between 7.19-mm (minimum) and 7.21-mm (maximum).
 - 3.12.2.2 Material. Snaps furnished shall either be of chrome or nickel-plated brass material in lieu of CRES.
 - 3.12.2.3 Location. The centers of the snaps on the fan housing are 1/2 inches from the bottom and 5/8 inches from each side.
 - 3.12.2.4 Fastener. In lieu of CRES material, Rivet fastener (piece number 318) for securing snap onto fan housing shall be aluminum and appropriately sized as to not interfere with the operational performance between the female and male portions of the snaps during curtain installation/removal.
 - 3.12.2.5 Fan Panel Curtain. A fixed Fan Panel Curtain, in accordance with CID A-A-59473 Type 3, has male snap centers 134 mm apart (plus 3 mm / minus 0 mm).

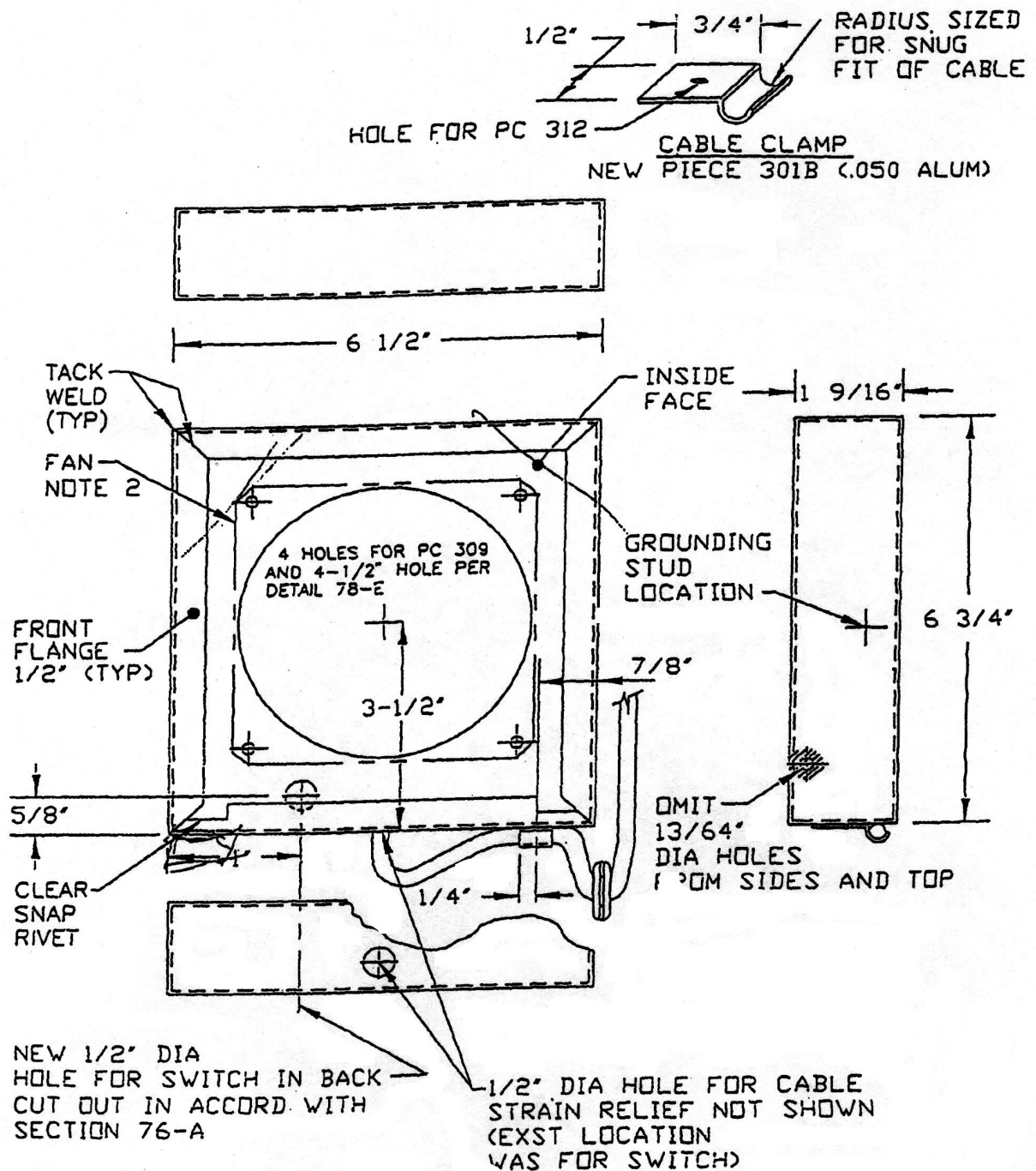
3.13 Painting.

- 3.13.1 Berth Unit. Paint color shall be beige, color number 26586 in accordance with FED-STD-595.
 - 3.13.1.1 Extra Paint. For every five (5) berth units, one eight (8) ounce spray can of compatible beige Air Dry Enamel touch-up paint that matches the production paint shall be provided with each shipment.
- 3.13.2 Sub-base. Sub-base assemblies shall be colored black, color number 17038 in accordance with FED-STD-595.
- 3.13.3 Paint System. Paint system shall be either Baking Enamel or Epoxy Powder Coating in accordance with the following subparagraphs.
 - 3.13.3.1 Baking Enamel Paint System. Enamel paint and paint inspection shall be in accordance with ASTM F-1178-88 "Standard Specification for Enameling System, Baking Metal Joiner Work and Furniture". The performance criteria cited in paragraph eleven (11) of the specification is invoked, except that the requirement for preparing daily test panels or test panels on galvanized steel are waived. Satisfactory testing of panels is required only once prior to production and thereafter only after a change is made to the painting procedure, materials or supplies.

- 3.13.3.2 Epoxy Powder Coatings. Powder coating in accordance with Military Specification MIL-PRF-24712A, for Type 1 may be utilized, provided that the recommendations of the coating system manufacturer are followed.
- 3.14 Berth Unit Label. Each complete berth unit shall be furnished with a stamped aluminum manufacturer's label plate in accordance with MIL-STD-130, permanently affixed to the berth unit. Each label plate shall be legibly marked and shall satisfy the requirements of General Note 16 of the NAVSEA TYPE Drawing.

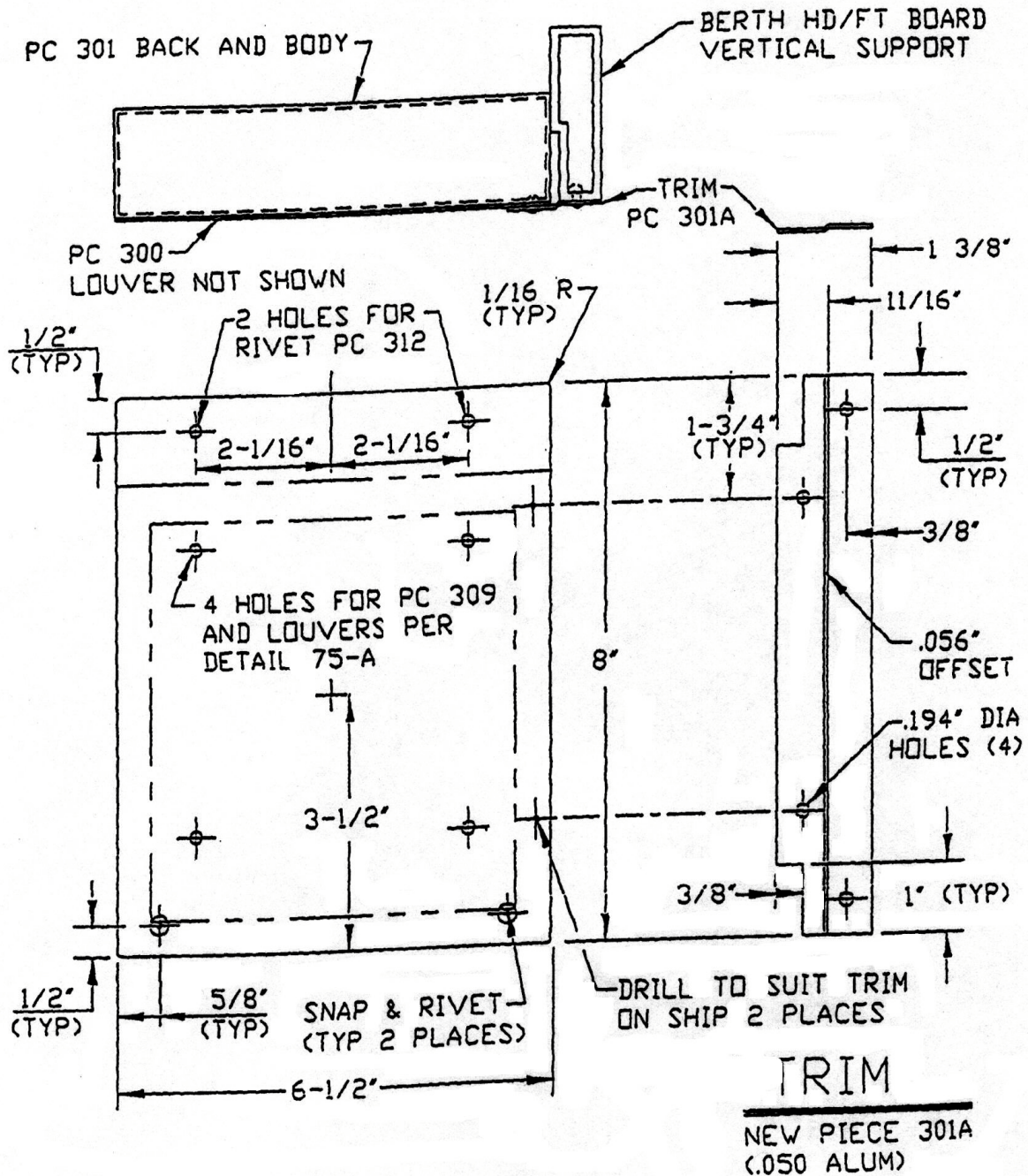
TECHNICAL PROCUREMENT SPECIFICATION For LIGHT WEIGHT MODULAR BERTH

FIGURE 8
FAN HOUSING
 MODIFIED PC #301 INSIDE FACE AND BODY (0.040 ALUMINUM)



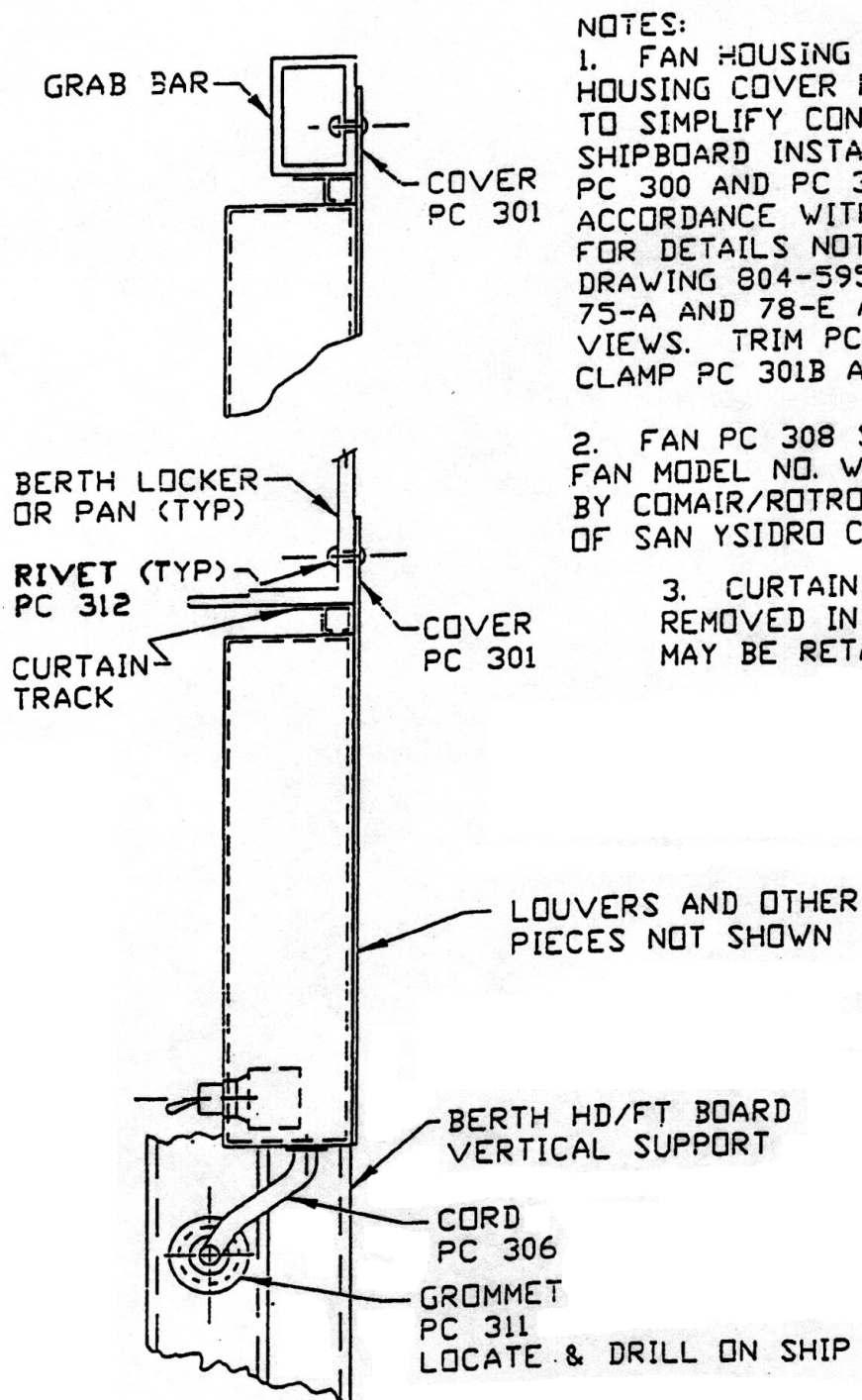
TECHNICAL PROCUREMENT SPECIFICATION For LIGHT WEIGHT MODULAR BERTH

FIGURE 9
MODIFIED FRONT PC #300 (0.040 ALUMINUM) WITH LOVERS PER
DETAIL 75-A
 SEE NOTES ON FIGURE 10



TECHNICAL PROCUREMENT SPECIFICATION For LIGHT WEIGHT MODULAR BERTH

FIGURE 10
TYPICAL INSTALLATIONS

**NOTES:**

1. FAN HOUSING PC 300, AND HOUSING COVER PC 301 ARE REVISED TO SIMPLIFY CONSTRUCTION AND SHIPBOARD INSTALLATION. PC 300 AND PC 301 SHALL BE IN ACCORDANCE WITH THIS FIGURE. FOR DETAILS NOT SHOWN SEE DRAWING 804-5959312 DETAIL 75-A AND 78-E AND ASSOCIATED VIEWS. TRIM PC 301A AND CABLE CLAMP PC 301B ARE NEW ITEMS.

2. FAN PC 308 SHALL BE WHISPER FAN MODEL NO. WR2A1 AS FURNISHED BY COMAIR/ROTRON COMPANY OF SAN YSIDRO CA, OR EQUAL.

3. CURTAIN TRACK MAY BE REMOVED IN WAY OF FAN, OR MAY BE RETAINED IN PLACE.

3.15 Locker Lid Lift Assist Spring Assembly.

- 3.15.1 GUDEN Gas Spring. GUDEN gas spring Part Number GGS20-P1-120 with two (2) EF203 End Fittings shall be provide for each Crew berth locker units when ordered as part of a berth unit, and similar spring or fitting item substitution is prohibited.
- 3.15.2 Gas Spring Orientation. Orientation of gas spring within each locker body shall be with the gas spring shaft intersecting the heel of the lower rear locker body at the center hinge reinforcement location, Figure 11 refers.
- 3.15.3 Gas Spring Mounting Hardware. Mounting hardware or fastener requirements are illustrated on Figure 12, and similar hardware or installation methodology substitution is prohibited.
- 3.15.4 Spares. When procured as Spares, the Locker Lift Assist Spring Assembly shall consists of a singular package containing: (1) one GUDEN gas spring Part Number GGS20-P1-120 with two (2) EF203 End Fittings; (2) Two (2) Spring Brackets; (3) all hardware that supports the assembly of the gas spring to the two (2) spring brackets and the required hardware for mounting that compete assembly to the locker lid and locker body.

3.16 Berth Curtains.

- 3.16.1 Design and Construction. Requirements of Commercial Item Description A-A-59473 shall be met.
- 3.16.2 Level C Packaging. Curtains shall be packaged to afford protection against deterioration, damage, or loss during shipment from the supply source to the first receiving activity for immediate use. The contractor's normal retail or wholesale packaging methods may be utilized when such meet the requirements of this level.
 - 3.16.2.1 Packing. Curtain shall be packed in containers acceptable to the common carrier and which will insure safe delivery at destination in a satisfactory condition. Containers, packing, or method of shipment shall comply with Uniform Freight or Motor Freight Classification Rules or Regulations or other carrier rules as applicable to the mode of transportation.

3.17 Alternate Material.

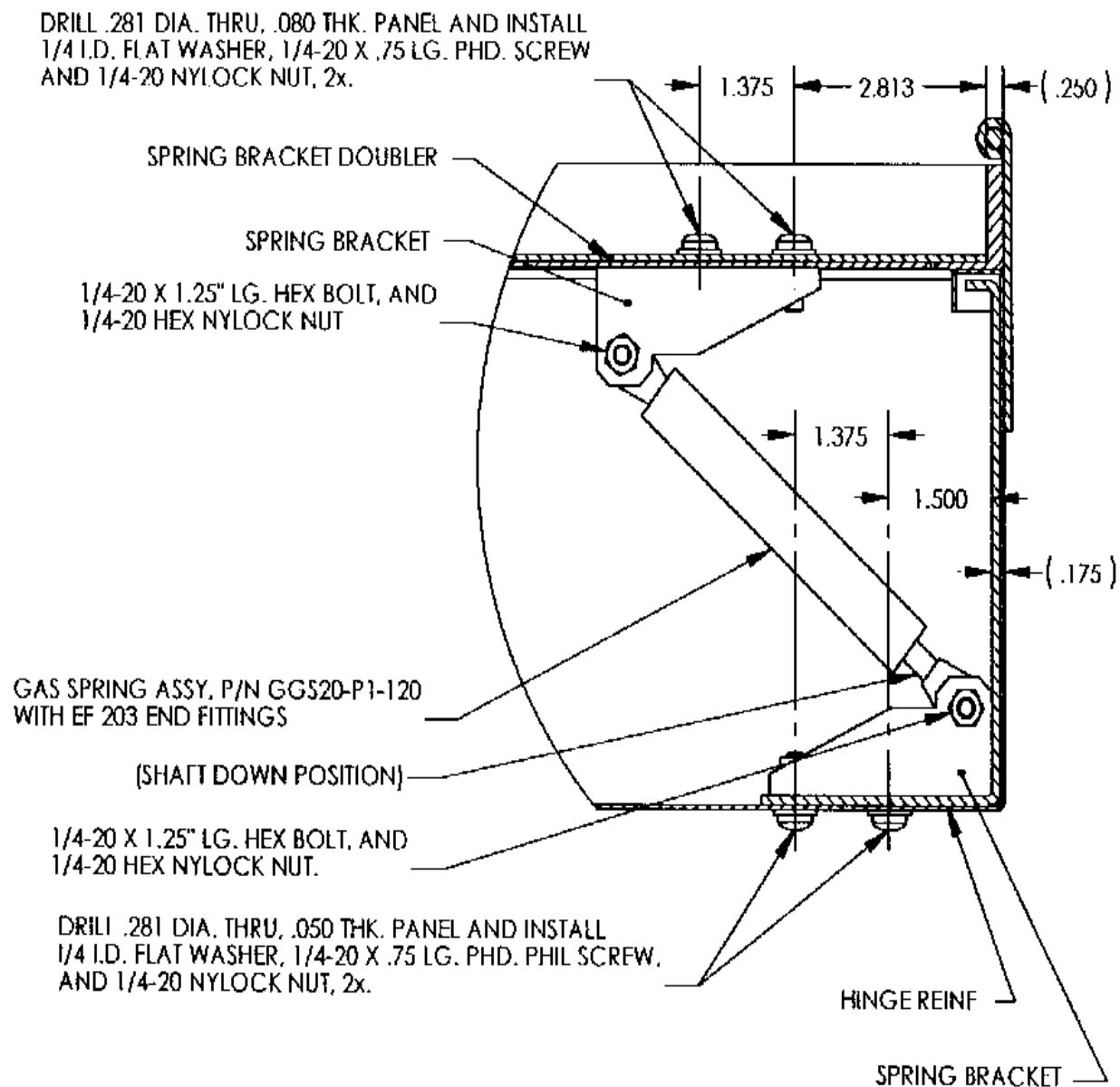
- ? Where steel sheet under 3/16-inch thickness is specified, steel sheet material in accordance with ASTM-A366 may be used.
- ? In lieu of brass material, Cardholders (piece number 68), may be shall be fabricated from AISI CL 304 material.

- 3.18 Berth Unit Isometric Installation Drawing. Each berth unit shall be furnished with an isometric installation/assembly drawing. This drawing shall graphically identify the erection sequence with supporting text/instructions and shall be suitably sized and formatted for its intended service (see paragraph 6.4 for additional requirements).

- 3.19 Shock Hardened Berth Unit. When a Berth Identification (ID) Number (Bin Or Find Number) contains the extension letter "W", the manufacturer shall furnish such berth units manufactured to the approved shock qualified design.

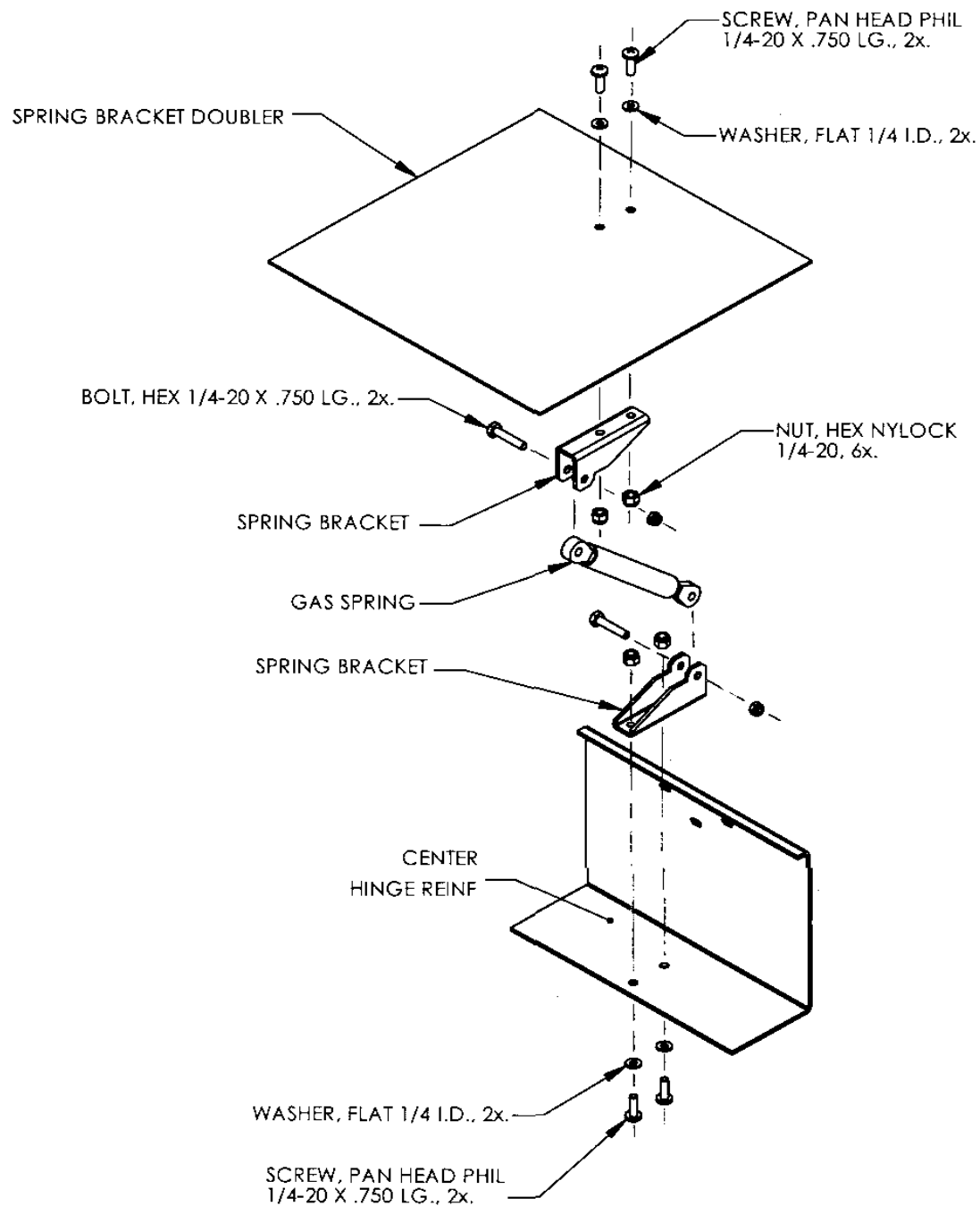
TECHNICAL PROCUREMENT SPECIFICATION for LIGHT WEIGHT MODULAR BERTH

FIGURE 11
GAS SPRING ORIENTATION



TECHNICAL PROCUREMENT SPECIFICATION for LIGHT WEIGHT MODULAR BERTH

FIGURE 12 **GAS SPRING MOUNTING HARDWARE**



4.0 Inspection System, Engineering Change Proposal, Deviation, and Waiver Requirements.

- 4.1 Inspection System. The contractor/manufacturer shall establish and maintain an inspection system program that can substantiate product conformance to the material and manufacturing requirements of the approved drawing(s), specification(s), and contract provisions, including other product inspections and tests identified in this procurement specification. The program shall describe the inspection instructions developed for the work in process and finished articles; and selected documentation methods employed to assure conformance during product design, production and delivery.
- 4.2 Government Inspection. The Government reserves the right to perform any inspection or test, including in-process inspection.
- 4.2.1 Inspection Site. For government inspection, site of inspection shall be at the facility identified as the source of berth unit manufacturing.
- 4.3 Engineering Change Proposal (ECP). An ECP document, format as developed by the Contractor, shall be submitted when a permanent change is warranted to any design detail shown in the NAVSEA TYPE Drawing 804-5959312 Revision "A" as a result from either:
- ? A physical or functional change in a subassembly and/or component's original characteristic.
 - ? Requesting extension approval for recurring or previously approved deviations.
 - ? Requesting extension approval for recurring or previously approved waivers.
- 4.4 Deviation. A deviation document, format as developed by the Contractor, shall be submitted when the contractor/manufacturer considers it necessary to temporarily depart from a mandatory requirement of this specification or contract prior to production of the item.
- 4.5 Waiver. A waiver document, format as developed by the Contractor, shall be submitted only when an item is produced that does not conform to a stated requirement of this specification or contract and subsequently the item is rejected for delivery.
- 4.6 Waiver of Requirements. Any offeror furnishing a product that is appropriate for this contract and has received prior Deviation or Waiver Government approval, including ECP(s), shall include in the bid a copy of each ECP, deviation, or waiver acceptance document attached to the document/drawing package that received it. The Government reserves the right to waive any requirement stated within this technical specification and/or contract.
- 4.7 ECP/Deviation/Waiver/Sample. The government reserves the right to request the contractor/manufacturer, at no cost to the government, to submit full or partial item or article sample(s) to support the intent of the item design, drawing detail(s), or the narrative description(s) submitted for ECP/Deviation/Waiver review. Disposition of submitted sample(s) upon post government review may be mutually agreed upon between participating parties.
- 4.8 Proprietary Features. The government has Unlimited Rights to all submitted designs, drawings, and so forth, including all designs, details and notes submitted as Engineering Change Proposals, Deviations, and Waivers in relation to this contract/solicitation. No proprietary features are requested, desired or acceptable. The government may remove or ignore any restrictive markings or limited rights statements from all documents submitted in relation to this contract/solicitation.

5.0 Delivery.

5.1 Preservation, Packaging, Packing and Marking Requirements. Preservation, packaging, packing and marking shall be in accordance with ASTM D3951-98, "Standard Practice for Commercial Packaging" and as additionally noted herein.

5.2 Packaging/Packing Requirements.

5.2.1 Containers. Each berth unit shall be packaged in two (2) fiberboard shipping cartons. Each carton or container shall be packed so that when the items are unpacked from the top they are in the order needed for on-site assembly and installation.

5.2.1.1 Number One (1) Container. The number one container shall be packed so that it can be hand carried in any orientation. This container shall include everything for installing the frame or shell of the berth unit including:

- ? Sub-base (except when omitted by Berth ID)
- ? Head/Foot Boards
- ? All fasteners (except those for "accessories" in container two)
- ? One (1) Towel Bar (other(s) in Number two container)
- ? Back Panels
- ? Curtain tracks mounted on grab bars
- ? Cross bracing (if required)
- ? Cover Panel (if required)

5.2.1.2 Number Two (2) Container. The number two (2) container will be opened on a pier, wharf or open deck area aboard ship and the Berth Locker(s), Pan(s), and subassembly containers will be hand carried into the ship. This container shall include:

- ? The Berth Locker(s) and/or Pan(s) and all other subassemblies
- ? The "accessories" subassemblies: Lee Straps, Steps, Berth Light and EEED mounting brackets, Berth Lights, Fans (if required), Towel Bars, "Long Berth" Label Plates, long Grab Bars and Cardholders shall be packaged as individual kits with their own fasteners.
- ? Lights and Fans shall have a single subassembly per kit; the others may be single subassemblies per kit
- ? All subassemblies that are not stored inside a berth locker shall be grouped as a unit in a single container that can be hand carried to the installation location.

5.2.1.3 Fasteners. Within each of the two containers and within each kit provided, size and type in reseal-able containers or bags, altogether packaged within a single reseal-able container or bag shall segregate fasteners.

5.2.1.4 Spares. Subassembly spares shall be packaged as individual kits and marked with the subassembly number. Each kit shall be grouped and packaged together in individual containers by like subassembly numbers and marked with the subassembly number and enclosed quantity. Those individual containers shall be fiber board shipping cartons and the contents within each carton shall be blocked or braced and cushioned as necessary to prevent shifting and damage during transit and handling.

5.2.1.5 Carton/Container Packaging/Packing. The carton/container contents shall be blocked, braced and/or cushioned on top, bottom, and on all sides to afford adequate protection against deterioration and physical damage resulting from product shifting during transit, storage, and handling. Separators shall be inserted between painted components

in order to prevent damage to those items. The use of asbestos, loose fill polystyrene, excelsior (fine wood shavings), newspaper or shredded paper of all types (including waxed paper, computer paper and similar hygroscopic or non-neutral material) is prohibited.

- 5.2.2 Shipping Crate Description. In order to resist shipping deformation and damage, and facilitate container handling with forklift trucks and achieve a container stacking capability of at least four high in the horizontal position for warehousing, the berth unit shipping cartons/containers shall be crated as shown in the attached sketch. The crated package consists of two- (2) fiberboard shipping cartons, reinforced with wood framing, nailed and banded with two steel bands around the short girth of the carton for added strength.

- 5.2.2.1 Shipping Crate Sketch. Figure 13 shows the method of reinforcing framing and crate banding required for the berth unit-shipping crate. The two encircling wooden belts around the short girth of the cartons/containers shall be nominal sized lumber for 2-inch by 4-inch material. The remaining material may be nominal sized lumber for 1 by 4 or 1 by 6-inch material. The crate shall be securely fastened together by steel banding as shown.

- 5.2.3 Packaging List. The contractor/manufacturer shall provide a packing list identifying the contents of each shipment with each shipment.

- 5.2.3.1 Itemized Listing. In addition to any other requirements, the Packing List, Invoice, Material Inspection and Receiving Report (Form DD 250) and any other forms utilized shall itemize each delivery by:

- ? Contract Number
- ? Delivery Order Item Number
- ? Berth Identification Number (or Subassembly Number for Spares)
- ? Quantity

- 5.2.3.2 Subassembly Spares. Subassemblies, which are spares that are not included within a berth unit, shall be separately itemized and identified by item description and labeled as "SPARES".

- 5.2.3.3 Separate Shipments. When separate shipment is authorized, the packing list shall identify those ancillary parts that are shipped separately.

- 5.2.3.4 Bar Coding. The packaging list shall include bar coding as required for above for packages.

- 5.2.3.5 Packaging Lists Substitution. Material Inspection and Receiving Report (DD Form 250) may be substituted for the packing list if the form contains the required data for each specific shipment.

5.3 Marking Requirements.

- 5.3.1 Berth Unit Containers. Shipping information shall include the Berth Identification (ID) Number (the Basic Berth Number and Berth Extension Letters) for each berth unit.

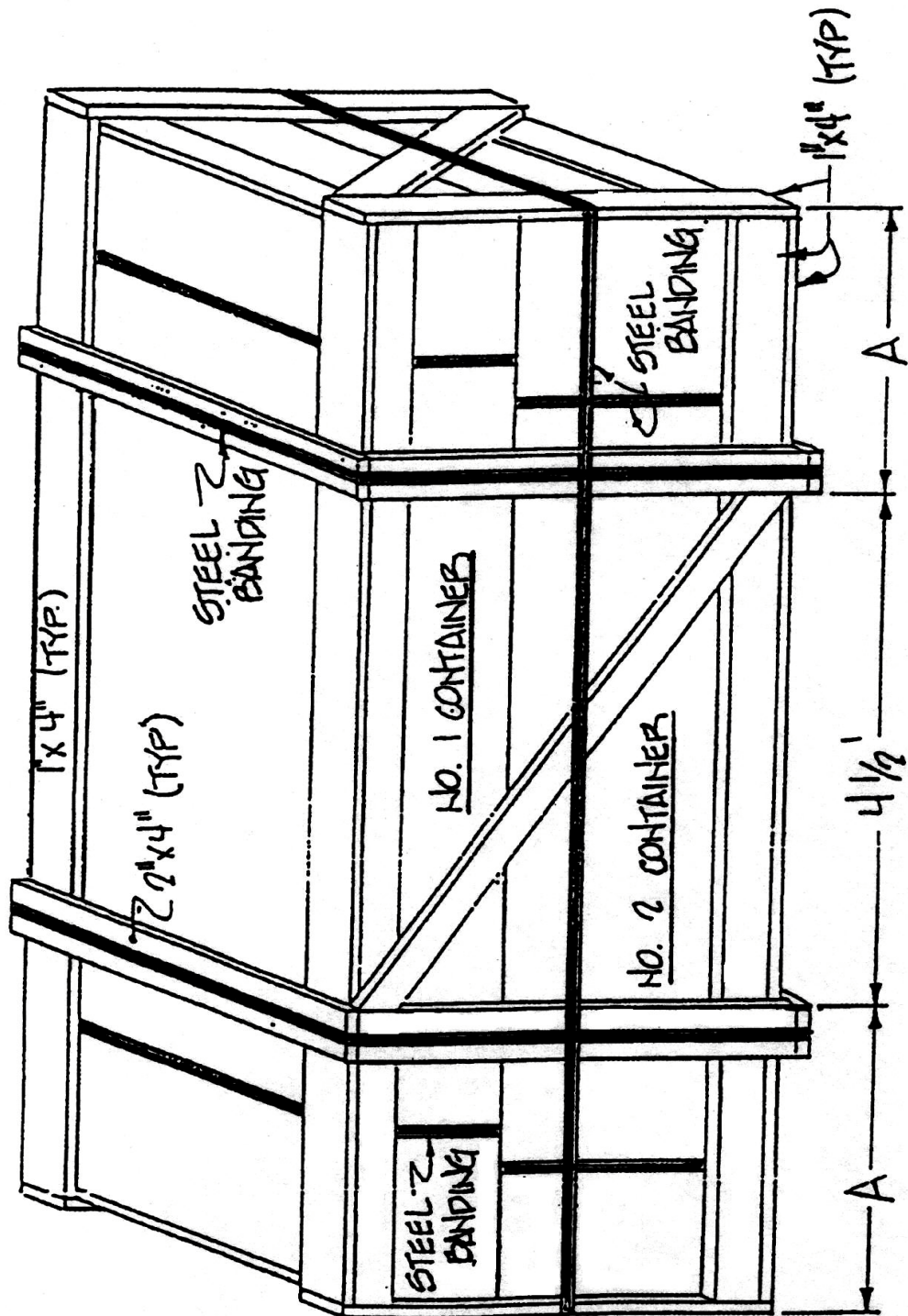
- 5.3.2 Subassembly Spares. Subassembly spares grouped and packed together in individual containers by like subassembly numbers shall have markings to include the Subassembly Number and quantity enclosed within each container.

- 1111111111111111111111111111**
FIND NO B321Q*\$#
- 1111111111111111111111111111**
CONTR N65540-03-D-XXXX
- 1111111111111111111111111111**
DELIVERY ORDER XXXX

Note: Bar Code shown to the left is for example purposes only and does not correctly identify text information given.

TECHNICAL PROCUREMENT SPECIFICATION for LIGHT WEIGHT MODULAR BERTH

FIGURE 13
SHIPPING CRATE SKETCH
BERTH KIT CONTAINER



6.0 ORDERING DATA.

- 6.1 Preliminary Drawing. Preliminary Product Drawings and Associated Lists shall be prepared in accordance with MIL-DTL-31000, paragraph 3.6.3 and as tailored by DD Form 2554-1. Drawing shall include paragraph 3.0 requirements of this technical procurement specification and shall exhibit the level of detail that is shown in the NAVSEA TYPE Drawing. Submittal shall be in accordance with Contract Data Requirements List, Form 1423-2.
- 6.2 Final Drawing. The Final Product Drawings and Associated Lists shall incorporate all approved design changes accomplished as a result of the Governments review of the Preliminary Drawing. The Final Product Drawings and Associated Lists shall be prepared in accordance with MIL-DTL-31000, paragraph 3.6.3 and as tailored by DD Form 2554-1. Submittal shall be in accordance with Contract Data Requirements List, Form 1423-2.
- 6.3 Revised Drawing. The contractor/manufacture shall provide Revised Product Drawings and Associated Lists to reflect each Government approved note, engineering change, deviation, and etc. as they individually occur throughout the ordering/performance period of the resulting contract. Revised Product Drawings and Associated Lists shall be prepared in accordance with MIL-DTL-31000, paragraph 3.6.3 and as tailored by DD Form 2554-1. Submittal shall be in accordance with Contract Data Requirements List, Form 1423-2.
- 6.4 Preliminary Berth Unit Isometric Installation Drawing. The contractor/manufacture shall develop and submit for Government review and approval, an isometric erection drawing which graphically identifies the berth unit erection sequence with supporting text/instructions. The drawing shall be suitable sized and formatted for the intended service and shall additionally contain instructions as described below and as tailored by DD Form 2554-1. Submittal shall be in accordance with Contract Data Requirements List, Form 1423-2.
- 6.4.1 Deck Studs. Isometric drawing shall include a weld note for the deck studs that are furnished by the on-site installation activity, stating "Automatic stud welding or 3/16 inch fillet weld all around stud".
- 6.4.2 Sub-Base. Isometric drawing shall include a Sub-base installation note for the on-site installation activity, stating "Scribe and cut the Sub-base Trim as feasible to suit any deck irregularities or slope in order to minimize the need for flashing."
- 6.4.3 Component Listing. The assembly drawing shall include a listing of all components and respective fasteners by item description, quantities and lengths.
- 6.4.4 Shock. Berth units that are specified to meet shock requirements shall include on the drawing, installation instructions that are specifically tailored to suit the installation method necessary to meet that requirement.
- 6.5 Final Berth Unit Isometric Installation Drawing. The contractor/manufacture shall furnish a copy of the Government approved drawing equal in size, format and print quality that will be furnished with each berth unit delivered. Submittal shall be in accordance with Contract Data Requirements List Form 1423-2 and DD Form 2554-1.
- 6.6 First Article Test (F.A.T.) Procedure. The contractor/manufacture shall prepare a F.A.T. and Inspection procedure, a singular document with separate sections, in accordance with Data Item Description DI-NDTI-80603. The test procedure shall include the physical and visual examination/inspection standards and methods necessary to verify compliance to the criteria outlined below. The test procedure shall consider each subassembly and/or component which make-up the berth unit sample identified below, the

berth light fixtures (both fixtures: with and without receptacle) and the fully assembled berth unit. Submittal shall be in accordance with Contract Data Requirements List, Form 1423-2.

? Item design, material and dimensional conformance to the Approved Product Drawing and Associated Lists

? Conformance to the test and inspection criteria of Table II of MIL-F-16377/17A(except shock).

6.6.1 Berth Unit Sample. The contractor/manufacture shall perform F. A. T. and Inspection on berth unit Berth ID B324Q for First Article Test and Inspection (see Figure 1 for berth configuration). The berth unit sample shall also include:

- ? Both types of berth light fixtures (Symbols 232 and 232.1) with fixture bracket and wires properly installed
- ? Fans with fan wires properly installed
- ? Lee Straps
- ? Berth curtains omitted
- ? EEBD Stowage Container Bracket (piece number 87) with EEBD Stowage Container installed

6.6.2 Disposition of Test Sample. The test sample shall be kept on hand by the contractor/manufacture for comparison inspection for at least 120 days after F.A.T acceptance. After the 120 days and at the vendor's option, the sample may be reworked and offered for delivery.

6.7 First Article Test (F.A.T.) Report. The contractor/manufacture shall prepare a F.A.T. and Inspection report, a singular document with separate sections, in accordance with Data Item Description DI-NDTI-80809. The test report shall identify the test and inspection results from accomplishing First Article Test and Inspection. Submittal shall be in accordance with Contract Data Requirements List, Form 1423-2.

6.8 High Impact (H. I.) Shock Test Procedure. The contractor/manufacture shall prepare a H. I. Shock Test procedure in accordance with Data Item Description DI-ENVR-80709 for each berth unit sample identified in paragraph A.3 subparagraph 6.2.1(q) of this specification. This document shall also include tentative date(s) schedule for conducting each shock test and post-test inspection. Submittal shall be in accordance with Contract Data Requirements List, Form 1423-2.

6.8.1 Disposition of Test Sample. At the contractor/manufacturers discretion, shock tested items may be refurbished and submitted for acceptance by the Government as one of the production units to fill a Delivery Order requirement. The refurbished or tested items must satisfy the inspection criteria cited within the approved First Article Test and Inspection procedure.

6.9 High Impact (H. I.) Shock Test Report. The contractor/manufacture shall prepare a H. I. Shock Test report in accordance with Data Item Description DI-ENVR-80708 for the tested berth unit samples. Submittal shall be in accordance with Contract Data Requirements List, Form 1423-2.

APPENDIX A

HIGH IMPACT (H. I.) SHOCK NOTES AND REQUIREMENTS

- ? The contractor/manufacture shall determine the level of berth unit design modification required for passing High Impact (H. I.) Shock Test criteria.
 - ? The contractor/manufacture is entirely responsible for shock test scheduling, managing, performing and passing all test requirements.
 - ? Prior to commencing shock testing, the contractor/manufacture must have obtained the required Government review and approval for all design modifications.
 - ? Any modification made during the testing evolution shall be submitted as deviations for approval at the conclusion of the test.
 - ? Copies of approved deviations or waivers shall be made part of the Shock Test Procedure and Shock Test Report.
 - ? The passing of shock test acceptance criteria of the four berth unit configurations (identified in paragraph A.3) qualifies all remaining (untested) berth unit configurations for shock grade installation when manufactured to the approved shock qualified design.
- A.1 General Notes: The contractor/manufacture shall consider the following when developing the shock hardening design modification, for test scheduling and other shock test related efforts.
- A.1.1 Sub-Base Corner Brackets. Sub-base Corner Brackets (piece numbers 125 through 128) may be replaced with two (2) formed steel components that span from front to back across each Sub-base end. Components shall be fabricated from material conforming to ASTM-A366 for 11 Gauge carbon steel and designed to provide bearing surface area equal to the corner brackets removed that contacted the Sub-base trim. These new components must be appropriately detailed prior to submitting the design for technical review and approval.
 - A.1.2 Cross Bracing. Cross Brace member (piece number 39) may be fabricated from carbon steel material conforming to ASTM-A36 for bar size channel, 1-1/2 inch by 1/2 inch by 1/8 inch (1.12 lb/ft) for satisfying shock hardening concerns only. Length shall be in accordance with paragraphs 3.8.1 or 3.8.2.
 - A.1.3 Weight Increase. The maximum total weight allowable increase from the design and material changes in paragraphs A.1.1 and A.1.2 is eight (8) pounds.
 - A.1.4 Modification Effect. Proposed shock hardening designs or component modifications shall not affect the interchangeability and fastening of the Sub-base Trim to the deck or to other Subassemblies.
 - A.1.5 H. I. Shock Test vs. F.A.T. High Impact shock testing is an independent test evolution, not to be associated with the performance of First Article Test and Inspection.
 - A.1.6 Test Scheduling. Shock testing effort shall not interfere with the performance of First Article Test and Inspection nor with the delivery of berth units that are not required to be shock hardened (shock qualified).
 - A.1.7 Simulated (Dummy) Loads. The contractor/manufacture is responsible for furnishing and installing all required simulated loads or articles of berth outfitting prior to shock testing of berth unit.
- A.2 H. I. Shock Test Requirements. Note: The below outline furnishes the requirements and supporting information necessary to develop a shock test procedure and is numerically consistent with the corresponding subparagraphs under paragraph 6.2 of MIL-S-901D.

- 6.2(a) Reference document to support shock test effort is Military Specification MIL-S-901D, dated 17 March 1989, Requirements for High Impact (H. I.) Shock Test for Shipboard Machinery, Equipment, and Systems.
- 6.2(b) The applicable revision of each document reference is listed in paragraph 2.1 of this technical specification.
- 6.2(c) Berth units to be tested are classified to Grade B shock grade.
- 6.2(d) Berth units to be tested are classified as Class I equipment.
- 6.2(e) Completed berth units with sub-base assemblies are classified as shock test Type A.
- 6.2(f) Completed berth units with sub-base assemblies are deck mounted on surface ships.
- 6.2(g) Completed berth units are base mounted aboard surface ships.
- 6.2(h) Mounting orientation aboard surface ship is classified as unrestricted. Testing shall cover both forward/aft and athwartship orientation.
- 6.2(i) Berth units shall be mounted onto a medium weight, shock machine anvil table by means of:
- 6.2(i) - 1 A standard mounting platform, as shown on Figures 13 and 14 of MIL-S-901D, for shock loading in the vertical direction. Details for mounting (such as wide flange beam assembly or steel plate) to suit size of berth unit to the standard platform shall be incorporated into the H. I. Impact Test Procedure and submitted for government review and approval.
- 6.2(i) - 2 A standard inclined fixture, as shown on Figures 16 and 17 of MIL-S-901D, for shock loading in the athwartship direction. Each berth unit shall each be mounted in two different inclined orientations. For one set of the inclined orientation test blows, the Foot Board shall be facing down at the bottom of the incline. For the other set of inclined orientation test blows, the berth front shall be facing down at the bottom of the incline.
- 6.2(j) There are no simulated shipboard restraining effects to be incorporated into the shock test, resulting from additional structural connections made to the berth. Berth units shall be mounted onto the test fixture as stated below or as detailed by the contractor/manufacturer's design modifications that have received Government approval.
- 6.2(j) - 1 The suggested shock hardened detail modifications as shown on NAVSEA TYPE Drawing 804-5959312"A" shall be modified for the shock test as follows: Sub-base trim (piece number 42) shall be 2-1/2 inches high, mounted onto 4-inch high deck studs. A clear opening between the bottom of the sub-base trim and the mounting platform of approximately 1-1/2 inches shall be provided. Flashing (piece number 88) shall not be installed. All mounting hardware, fasteners, studs, chocks and etc. shall be provided and installed by the contractor/manufacturer.
- 6.2(j) - 2 Simulated (dummy) loads and articles of berth outfitting as identified below shall be represented in each berth unit undergoing shock testing:
- ? Emergency Escape Breathing Device (EEBD) stowage containers in accordance with NAVSEA STANDARD drawing 804-5751208"A" shall be installed under

each Fixed type sleeping surface and on the EEBD stowage bracket for all upper Fixed berths.

- ? Each EEBD stowage container and EEBD Locker Compartment shall have a simulated weight for the EEBD of 5 pounds installed.
- ? Each Fixed or Hinged berth assembly shall be outfitted with a mattress, three (3) inches thick, weighing approximately 25 pounds each.
- ? A simulated person's weight of 200 pounds shall be uniformly distributed on each mattress installed.
- ? A simulated personal effects weight of 100 pounds shall be uniformly distributed in each berth locker. Towels and/or rags shall be used for packing material for other articles needed to satisfy the simulated load requirement while completely filling the locker volume.
- ? Type V berth units, only, shall be tested with four (4) simulated steel rifles and rifle racks installed. Simulated weight of rifle rack shall be based from NAVSEA STANDARD Drawing 803-5001001. Installation location for the rifle rack shall be in accordance with NAVSEA Drawing 807-6251154.
- ? Berth light fixtures and Fan assemblies shall be installed but not connected to a power source. Power cords shall be installed through the Head/Foot Board wiring access to the top of the berth unit, then either cut off or coiled securely to the unit.
- ? Lee Straps shall be installed.

6.2(k) All locker and EEBD compartment doors shall be closed for each test blow.

6.2(l) There is no requirement for monitoring of berth unit(s) during tests. Inspection of berth unit(s) shall be conducted after each test blow for the purpose of determining compliance to the shock test acceptance criteria given below:

- ? As configured, the berth unit, including subassemblies and articles of berth outfitting attached by mechanical or welded means to the berth unit shall not come adrift due to the exposure from shock testing.
- ? Deformation of deck mounting studs is acceptable.
- ? There is no requirement for the Small Article (locker) and EEBD stowage container doors to remain closed during or after each test blow or be functional after completion of test.
- ? There is no requirement for the Berth locker/lid doors or the fan and light assemblies remain functional after completion of test.

6.2(m) Acceptance authority shall be the designated Government activity or representative(s) as specified by the Contracting Activity (or Officer).

A.3 H. I. Shock Test Supplemental Requirements. Note: The below outline furnishes the requirements and supporting information necessary to develop a shock test procedure and is numerically consistent with the corresponding lettered subparagraphs for paragraph 6.2.1 of MIL-S-901D.

6.2.1(a) Medium weight shock test category applies; paragraph 3.1.2(b) of MIL-S-901D.

6.2.1(b) Detailed test procedure shall be submitted to the Contracting Activity (or Officer) for Government review and approval prior to commencing shock testing.

- 6.2.1(c) Shock tests shall be conducted at commercial test facilities. The use of Large floating shock platform is not acceptable.
- 6.2.1(d) There are no additional requirements for selection of standard test fixture(s) or specific criteria to simulate shipboard mounting conditions. Selection of test fixture(s) is stated in paragraph A.2 subparagraph 6.2 (i) of this technical specification.
- 6.2.1(e) Testing of Class III items is not applicable.
- 6.2.1(f) Requirements for weight or design of dummy masses (simulated loads and articles of berth outfitting) are stated in paragraph A.2 subparagraph 6.2 (j) -2 of this technical specification.
- 6.2.1(g) Subsidiary components or subassemblies group simulations are not applicable.
- 6.2.1(h) Requirement for heavyweight shock testing is not applicable.
- 6.2.1(i) Requirement for partial simulation of operating conditions during shock test other than as described within this technical specification is not applicable.
- 6.2.1(j) There are no additional limitations upon allowable loosening of fasteners beyond the requirements set forth in paragraph A-2 subparagraph 6.2(l).
- 6.2.1(k) There are no noise or vibration standards applicable.
- 6.2.1(l) Requirements for pre-delivery testing or examination of shock tested items: refer to paragraph 6.8.1 of this technical specification.
- 6.2.1(m) Disposition of shock tested items: refer to paragraph 6.8.1 of this technical specification.
- 6.2.1(n) Use of alternate Government-owned shock test vehicle is not applicable.
- 6.2.1(o) Shock test extension criteria are as stated in paragraphs 3.2.1 through 3.2.2.1 of MIL-S-901D. Request for shock test extension shall be in accordance with Data Item Description DI-ENVR-80706.
- 6.2.1(p) The drawing requirements, Ordering Data paragraph 6.3 refers, shall also include the information requested in paragraph 3.3.1.1 or 3.3.1.2 of MIL-S-901D.
- 6.2.1(q) The four (4) berth units, configured as listed below and fully outfitted with simulated (dummy) loads and articles of berth outfitting, shall be shock tested.
 - ? Berth ID B335EQW: Type 1, Style 2, Size 3
Basic berth configuration is 3 sleeping surfaces with 3 berth lockers, long length berth with 20-inch spacing between sleeping surfaces. Berth unit Extension Letters requires a shock hardened berth unit with all Head and Foot Board Insert Panels omitted and an Emergency Escape Kick-Out panel and frame assembly installed in the bottom back panel.
 - ? Berth ID B335AXYW: Type 1, Style 2, Size 3
Basic berth configuration is 3 sleeping surfaces with 3 berth lockers, long length berth with 20-inch spacing between sleeping surfaces. Berth unit Extension Letters requires a shock hardened berth unit with all Head and Foot Board Insert Panels and all Back Panels omitted, Cross Bracing installed and additional Lee Straps and Grab Bar installed across the top back of unit.
 - ? Berth ID B401EQW: Type V, Style 1, Size 2

Basic berth configuration is 4 sleeping surfaces with no berth lockers, medium length berth with 18-inch spacing between sleeping surfaces. Berth unit Extension Letters requires a shock hardened berth unit with all Head and Foot Board Insert Panels omitted and an Emergency Escape Kick-Out panel and frame assembly installed in the bottom back panel.

? Berth ID B401AXYW: Type V, Style 1, Size 2

Basic berth configuration is 4 sleeping surfaces with no berth lockers, medium length berth with 18-inch spacing between sleeping surfaces. Berth unit Extension Letters requires a shock hardened berth unit all Head and Foot Board Insert Panels and all Back Panels omitted, Cross Bracing installed and additional Lee Straps and Grab Bar installed across the top back of unit.

6.2.1 (r) Government representatives as designated by the Contracting Activity (or Officer) shall witness each shock test and post-test inspections and shall certify the reported shock test and post-test inspections.

6.2.1 (s) Acceptance authority shall be furnished with two (2) copies of the Shock Test Procedure.

6.2.1 (t) Acceptance authority shall be furnished with two (2) copies of the Shock Test Report.

6.2.1 (u) Acceptance authority shall be furnished with two (2) copies of the Shock Test Extension Request.

SECTION D Packaging and Marking

SECTION D Packaging and Marking

Preservation, Packaging, Packing and Marking shall be in accordance with the requirements contained in the “Technical Procurement Specification for Light Weight Modular Berths”.

SECTION E Inspection and Acceptance

CLAUSES INCORPORATED BY REFERENCE:

52.246-2	Inspection Of Supplies--Fixed Price	AUG 1996
52.246-16	Responsibility For Supplies	APR 1984
252.246-7000	Material Inspection And Receiving Report	MAR 2003

CLAUSES INCORPORATED BY FULL TEXT

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001 thru 0161	Origin	Govt.	Origin	Govt.
0162AA thru 0162AC	N65540	Govt.	N65540	Govt.
0163AA thru 0163AC	Carderock Div.		Carderock Div.	
0165AA thru 0165AJ	NSWC		NSWC	
	5001 S. Broad Street		5001 S. Broad Street	
	Phila., PA 19112-1403		Phila., PA 19112-1403	
	Attn: Code 9783		Attn: Code 9783	
52.246-11	HIGHER-LEVEL CONTRACT QUALITY (FEB 1999)			

The Contractor shall possess an Inspection/Quality System that complies with one of the following higher-level quality standards.

Military Specification MIL-I-45208A
 Military Specification MIL-Q-9858A, or
 ANSI/ISO/ASQC 9000-2000, 9001-2000, 9002-2000 or 9003-2000

(End of clause)

SECTION F Deliveries or Performance

CLAUSES INCORPORATED BY REFERENCE:

52.242-15	Stop-Work Order	AUG 1989
52.242-17	Government Delay Of Work	APR 1984
52.247-29	F.O.B. Origin	JUN 1988
52.247-59	F.O.B Origin--Carload and Truckload Shipments	APR 1984
52.247-61	F.O.B. Origin--Minimum Size Of Shipments	APR 1984

CLAUSES INCORPORATED BY FULL TEXT

52.211-8 TIME OF DELIVERY (JUN 1997)

(a) The Government requires delivery to be made according to the following schedule:

REQUIRED DELIVERY SCHEDULE

ITEM	DELIVERY
0001AA thru 0161AA 0001AB thru 0161AB 0001AC thru 0161AC	Orders providing for less than 57 Berthing Units shall be delivered within 30 days ADO. Orders providing for 57 or more Berthing Units shall be delivered as follows: 56 Units within 30 days ADO and up to and including 112 Units a month every month thereafter until completion.
0001AD thru 0161AD 0001AE thru 0161AE 0001AF thru 0161AF	30 days ADO
0162, 0163 & 0164	Not Applicable
0165AA	Delivery of first submission is 10 calendar days after date of contract award; resubmit no later than 20 calendar days after receipt of Government disapproval.
0165AB	Delivery of first submission is 30 calendar days after receipt of Government review comments.
0165AC	Delivery is "As required".
0165AD	Delivery of first submission is 10 calendar days after date of contract award; resubmit no later than 10 calendar days after receipt of Government disapproval.
0165AE	Delivery of first submission is 10 calendar days after receipt of Government review comments.
0165AF	Delivery of first submission is 10 calendar days after date of contract award; resubmit no later than 10 calendar days after receipt of Government disapproval.
0165AG	Delivery of first submission is 30 calendar days after Delivery Order award

0165AH Delivery of first submission is 10 calendar days after date of contract award; resubmit no later than 10 calendar days after receipt of Government review comments.

0165AJ Delivery of first submission is 120 calendar days after contract award.

The Required Delivery Schedule set forth above represents the Government's minimum delivery requirements. If the Government does not require delivery within these minimum requirements, orders issued under the resulting contract will contain a schedule providing for later delivery to satisfy the Government's actual requirements. If any delivery order imposes a delivery schedule that cannot be met by the contractor, the contractor shall, within ten days after receipt of said delivery order, notify the ordering officer in writing that the required delivery schedule cannot be met and provide a proposed revised delivery schedule. Such notification shall include an explanation of the reasons or circumstances why the contractor claims the required delivery schedule cannot be met. In the event the proposed revised delivery schedule is acceptable to the Government, the contractor shall be so informed in writing within ten days after receipt of the contractor's notification and the delivery order shall be modified accordingly without consideration. If the proposed revised delivery schedule is not acceptable to the Government, the contractor shall be so informed in writing within ten days after receipt of the contractor's notification, and the required delivery schedule contained in the order shall be binding on the contractor.

The Government will evaluate equally, as regards time of delivery, offers that propose delivery of each quantity within the applicable delivery period specified above. Offers that propose delivery that will not clearly fall within the applicable required delivery period specified above, will be considered nonresponsive and rejected. The Government reserves the right to award under either the required delivery schedule or the proposed delivery schedule, when an offeror offers an earlier delivery schedule than required above. If the offeror proposes no other delivery schedule, the required delivery schedule above will apply.

ITEM NO.	OFFEROR'S PROPOSED DELIVERY SCHEDULE	
QUANTITY	WITHIN DAYS AFTER DATE OF CONTRACT	

(b) Attention is directed to the Contract Award provision of the solicitation that provides that a written award or acceptance of offer mailed, or otherwise furnished to the successful offeror, results in a binding contract. The Government will mail or otherwise furnish to the offeror an award or notice of award not later than the day award is dated. Therefore, the offeror should compute the time available for performance beginning with the actual date of award, rather than the date the written notice of award is received from the Contracting Officer through the ordinary mails. However, the Government will evaluate an offer that proposes delivery based on the Contractor's date of receipt of the contract or notice of award by adding (1) five calendar days for delivery of the award through the ordinary mails, or (2) one working day if the solicitation states that the contract or notice of award will be transmitted electronically. (The term "working day" excludes weekends and U.S. Federal holidays.) If, as so computed, the offered delivery date is later than the required delivery date, the offer will be considered nonresponsive and rejected.

(End of Clause)

SECTION G Contract Administration Data

CLAUSES INCORPORATED BY REFERENCE:

252.242-7000 Postaward Conference

DEC 1991

CLAUSES INCORPORATED BY FULL TEXT

5252.232-9000 SUBMISSION OF INVOICES (FIXED PRICE) (JUL 1992)

(a) "Invoice" as used in this clause does not include contractor requests for progress payments.

(b) The contractor shall submit original invoices with copies to the address identified in the solicitation/ contract award form (SF 26-Block 10; SF 33-Block 23; SF 1447-Block 14), unless delivery orders are applicable, in which case invoices will be segregated by individual order and submitted to the address specified in the order (DD 1155-Block 13 or SF 26-Block 10).

(c) The use of copies of the Material Inspection and Receiving Report (MIRR), DD Form 250, as an invoice is encouraged. DFARS Appendix F-306 provides instructions for such use. Copies of the MIRR used as an invoice are in addition to the standard distribution stated in DFARS F-401.

(d) In addition to the requirements of the Prompt Payment clause of this contract, the contractor shall cite on each invoice the contract line item number (CLIN); the contract subline item number (SLIN), if applicable; the accounting classification reference number (ACRN) as identified on the financial accounting data sheets, and the payment terms.

(e) The contractor shall prepare:

- ☐ a separate invoice for each activity designated to receive the supplies or services.
- ☐ a consolidated invoice covering all shipments delivered under an individual order.
- ☒ either of the above.

(f) If acceptance is at origin, the contractor shall submit the MIRR or other acceptance verification directly to the designated payment office. If acceptance is at destination, the consignee will forward acceptance verification to the designated payment office.

SECTION H Special Contract Requirements

None

SECTION I Contract Clauses

CLAUSES INCORPORATED BY REFERENCE:

52.202-1	Definitions	DEC 2001
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	APR 1984
52.203-6	Restrictions On Subcontractor Sales To The Government	JUL 1995
52.203-7	Anti-Kickback Procedures	JUL 1995
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JAN 1997
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	JAN 1997
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	JUN 1997
52.204-4	Printed or Copied Double-Sided on Recycled Paper	AUG 2000
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	JUL 1995
52.211-5	Material Requirements	AUG 2000
52.211-15	Defense Priority And Allocation Requirements	SEP 1990
52.215-2	Audit and Records--Negotiation	JUN 1999
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-14	Integrity of Unit Prices	OCT 1997
52.219-6	Notice Of Total Small Business Set-Aside	JUL 1996
52.219-8	Utilization of Small Business Concerns	OCT 2000
52.219-14	Limitations On Subcontracting	DEC 1996
52.222-19	Child Labor--Cooperation with Authorities and Remedies	SEP 2002
52.222-20	Walsh-Healy Public Contracts Act	DEC 1996
52.222-21	Prohibition Of Segregated Facilities	FEB 1999
52.222-26	Equal Opportunity	APR 2002
52.222-35	Equal Opportunity For Special Disabled Veterans, Veterans of the Vietnam Era and Other Eligible Veterans	DEC 2001
52.222-36	Affirmative Action For Workers With Disabilities	JUN 1998
52.222-37	Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans	DEC 2001
52.223-6	Drug Free Workplace	MAY 2001
52.225-13	Restrictions on Certain Foreign Purchases	JUL 2000
52.227-1	Authorization and Consent	JUL 1995
52.227-2	Notice And Assistance Regarding Patent And Copyright Infringement	AUG 1996
52.229-3	Federal, State And Local Taxes	APR 2003
52.232-1	Payments	APR 1984
52.232-8	Discounts For Prompt Payment	FEB 2002
52.232-11	Extras	APR 1984
52.232-17	Interest	JUN 1996
52.232-23	Assignment Of Claims	JAN 1986
52.232-33	Payment by Electronic Funds Transfer--Central Contractor Registration	MAY 1999
52.233-1	Disputes	JUL 2002
52.233-3	Protest After Award	AUG 1996
52.242-13	Bankruptcy	JUL 1995
52.243-1	Changes--Fixed Price	AUG 1987
52.246-23	Limitation Of Liability	FEB 1997
52.249-2	Termination For Convenience Of The Government (Fixed-Price)	SEP 1996

52.249-8	Default (Fixed-Price Supply & Service)	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense- Contract-Related Felonies	MAR 1999
252.203-7002	Display Of DOD Hotline Poster	DEC 1991
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.204-7004	Required Central Contractor Registration	NOV 2001
252.205-7000	Provisions Of Information To Cooperative Agreement Holders	DEC 1991
252.209-7000	Acquisition From Subcontractors Subject To On-Site Inspection Under The Intermediate Range Nuclear Forces (INF) Treaty	NOV 1995
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country	MAR 1998
252.225-7001	Buy American Act And Balance Of Payments Program	APR 2003
252.225-7002	Qualifying Country Sources As Subcontractors	APR 2003
252.225-7004	Reporting of Contract Performance Outside the United States	APR 2003
252.225-7012	Preference For Certain Domestic Commodities	FEB 2003
252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises-DoD Contracts	SEP 2001
252.227-7013	Rights in Technical Data--Noncommercial Items	NOV 1995
252.227-7016	Rights in Bid or Proposal Information	JUN 1995
252.227-7030	Technical Data--Withholding Of Payment	MAR 2000
252.227-7036	Declaration of Technical Data Conformity	JAN 1997
252.227-7037	Validation of Restrictive Markings on Technical Data	SEP 1999
252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.243-7002	Requests for Equitable Adjustment	MAR 1998
252.244-7000	Subcontracts for Commercial Items and Commercial Components (DoD Contracts)	MAR 2000
252.247-7023	Transportation of Supplies by Sea	MAY 2002

CLAUSES INCORPORATED BY FULL TEXT

52.209-3 FIRST ARTICLE APPROVAL--CONTRACTOR TESTING (SEP 1989)

(a) The Contractor shall perform first article testing on one Berth Unit Sample as specified in paragraph 6.6.1 of the Technical Procurement Specification For Light Weight Modular Berths and perform high impact shock testing on four Berth Units as specified in subparagraph 6.2.1(q) of paragraph A.3 of Appendix A to the Technical Procurement Specification. At least 30 calendar days before the beginning of first article or high impact shock tests, the Contractor shall notify the Contracting Officer, in writing, of the time and location of the testing so that the Government may witness the tests.

(b) The Contractor shall submit the first article or high impact shock test report for the Berth Unit Sample within 60 days from the date of the resulting order to the Carderock Division, Naval Surface Warfare Center, 5001 South Broad Street, Code 9783, Philadelphia, PA 19112-1403 marked "FIRST ARTICLE (OR "HIGH IMPACT SHOCK") TEST REPORT: Contract No. (To be specified at time of award). Within 30 calendar days after the Government receives the test report, the Contracting Officer shall notify the Contractor, in writing, of the conditional approval, approval, or disapproval of the first article. The notice of conditional approval or approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the Contractor. A notice of disapproval shall cite reasons for the disapproval.

(c) If the first article(s) is disapproved, the Contractor, upon Government request, shall repeat any or all first article/high impact shock tests. After each request for additional tests, the Contractor shall make any necessary changes, modifications, or repairs to the first article(s) or select another first article(s) for testing. All costs related to

these tests are to be borne by the Contractor, including any and all costs for additional tests following a disapproval. The Contractor shall then conduct the tests and deliver another report to the Government under the terms and conditions and within the time specified by the Government. The Government shall take action on this report within the time specified in paragraph (b) above. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule, or for any additional costs to the Government related to these tests.

(d) If the Contractor fails to deliver any first article/high impact shock test report on time, or the Contracting Officer disapproves any first article, the Contractor shall be deemed to have failed to make delivery within the meaning of the Default clause of this contract.

(e) Unless otherwise provided in the contract, and if the approved first article(s) is not consumed or destroyed in testing, the Contractor may deliver the approved first article as part of the contract quantity if it meets all contract requirements for acceptance.

(f) If the Government does not act within the time specified in paragraph (b) or (c) above, the Contracting Officer shall, upon timely written request from the Contractor, equitably adjust under the changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

(g) Before first article approval(s), the acquisition of materials or components for, or the commencement of production of, the balance of the contract quantity is at the sole risk of the Contractor. Before first article approval, the costs thereof shall not be allocable to this contract for (1) progress payments, or (2) termination settlements if the contract is terminated for the convenience of the Government.

(h) The Government may waive the requirement for first article/high impact shock testing where supplies identical or similar to those called for in the schedule have been previously furnished by the offeror/contractor and have been accepted by the Government. The offeror/contractor may request a waiver.

52.216-18 ORDERING. (OCT 1995)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from the effective date of the contract through 1,096 days after the effective date of the contract.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) If mailed, a delivery order or task order is considered "issued" when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

52.216-19 ORDER LIMITATIONS. (OCT 1995)

(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than \$5000.00, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) Maximum order. The Contractor is not obligated to honor:

(1) Any order for a single item in excess of \$1,000,000.00;

(2) Any order for a combination of items in excess of \$1,500,000.00; or

(3) A series of orders from the same ordering office within 30 days that together call for quantities exceeding the limitation in subparagraph (1) or (2) above.

(c) If this is a requirements contract (i.e., includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) above.

(d) Notwithstanding paragraphs (b) and (c) above, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within 10 days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

52.216-21 REQUIREMENTS (OCT 1995)

(a) This is a requirements contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies or services specified in the Schedule are estimates only and are not purchased by this contract. Except as this contract may otherwise provide, if the Government's requirements do not result in orders in the quantities described as "estimated" or "maximum" in the Schedule, that fact shall not constitute the basis for an equitable price adjustment.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. Subject to any limitations in the Order Limitations clause or elsewhere in this contract, the Contractor shall furnish to the Government all supplies or services specified in the Schedule and called for by orders issued in accordance with the Ordering clause. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(c) Except as this contract otherwise provides, the Government shall order from the Contractor all the supplies or services specified in the Schedule that are required to be purchased by the Government activity or activities specified in the Schedule.

(d) The Government is not required to purchase from the Contractor requirements in excess of any limit on total orders under this contract.

(e) If the Government urgently requires delivery of any quantity of an item before the earliest date that delivery may be specified under this contract, and if the Contractor will not accept an order providing for the accelerated delivery, the Government may acquire the urgently required goods or services from another source.

(f) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after 1,300 days after date of contract.

52.219-4 NOTICE OF PRICE EVALUATION PREFERENCE FOR HUBZONE SMALL BUSINESS CONCERNS (JAN 1999)

(a) Definition. HUBZone small business concern, as used in this clause, means a small business concern that appears on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration.

(b) Evaluation preference. (1) Offers will be evaluated by adding a factor of 10 percent to the price of all offers, except--

(i) Offers from HUBZone small business concerns that have not waived the evaluation preference;

(ii) Otherwise successful offers from small business concerns;

(iii) Otherwise successful offers of eligible products under the Trade Agreements Act when the dollar threshold for application of the Act is exceeded (see 25.402 of the Federal Acquisition Regulation (FAR)); and

(iv) Otherwise successful offers where application of the factor would be inconsistent with a Memorandum of Understanding or other international agreement with a foreign government.

(2) The factor of 10 percent shall be applied on a line item basis or to any group of items on which award may be made. Other evaluation factors described in the solicitation shall be applied before application of the factor.

(3) A concern that is both a HUBZone small business concern and a small disadvantaged business concern will receive the benefit of both the HUBZone small business price evaluation preference and the small disadvantaged business price evaluation adjustment (see FAR clause 52.219-23). Each applicable price evaluation preference or adjustment shall be calculated independently against an offeror's base offer.

These individual preference amounts shall be added together to arrive at the total evaluated price for that offer.

(c) Waiver of evaluation preference. A HUBZone small business concern may elect to waive the evaluation preference, in which case the factor will be added to its offer for evaluation purposes. The agreements in paragraph (d) of this clause do not apply if the offeror has waived the evaluation preference.

___ Offeror elects to waive the evaluation preference.

(d) Agreement. A HUBZone small business concern agrees that in the performance of the contract, in the case of a contract for

(1) Services (except construction), at least 50 percent of the cost of personnel for contract performance will be spent for employees of the concern or employees of other HUBZone small business concerns;

(2) Supplies (other than procurement from a nonmanufacturer of such supplies), at least 50 percent of the cost of manufacturing, excluding the cost of materials, will be performed by the concern or other HUBZone small business concerns;

(3) General construction, at least 15 percent of the cost of the contract performance incurred for personnel will be spent on the concern's employees or the employees of other HUBZone small business concerns; or

(4) Construction by special trade contractors, at least 25 percent of the cost of the contract performance incurred for personnel will be spent on the concern's employees or the employees of other HUBZone small business concerns.

(e) A HUBZone joint venture agrees that in the performance of the contract, the applicable percentage specified in paragraph (d) of this clause will be performed by the HUBZone small business participant or participants.

(f) A HUBZone small business concern nonmanufacturer agrees to furnish in performing this contract only end items manufactured or produced by HUBZone small business manufacturer concerns. This paragraph does not apply in connection with construction or service contracts.

(End of clause)

52.232-25 PROMPT PAYMENT (FEB 2002)

Notwithstanding any other payment clause in this contract, the Government will make invoice payments under the terms and conditions specified in this clause. The Government considers payment as being made on the day a check is dated or the date of an electronic funds transfer (EFT). Definitions of pertinent terms are set forth in sections 2.101, 32.001, and 32.902 of the Federal Acquisition Regulation. All days referred to in this clause are calendar days, unless otherwise specified. (However, see paragraph (a)(4) of this clause concerning payments due on Saturdays, Sundays, and legal holidays.)

(a) Invoice payments--(1) Due date. (i) Except as indicated in paragraphs (a)(2) and (c) of this clause, the due date for making invoice payments by the designated payment office is the later of

the following two events:

(A) The 30th day after the designated billing office receives a proper invoice from the Contractor (except as provided in paragraph (a)(1)(ii) of this clause).

(B) The 30th day after Government acceptance of supplies delivered or services performed. For a final invoice, when the payment amount is subject to contract settlement actions, acceptance is deemed to occur on the effective date of the contract settlement.

(ii) If the designated billing office fails to annotate the invoice with the actual date of receipt at the time of receipt, the invoice payment due date is the 30th day after the date of the Contractor's invoice, provided the designated billing office receives a proper invoice and there is no disagreement over quantity, quality, or Contractor compliance with contract requirements.

(2) Certain food products and other payments. (i) Due dates on Contractor invoices for meat, meat food products, or fish; perishable agricultural commodities; and dairy products, edible fats or oils, and food products prepared from edible fats or oils are--

(A) For meat or meat food products, as defined in section 2(a)(3) of the Packers and Stockyard Act of 1921 (7 U.S.C. 182(3)), and as further defined in Pub. L. 98-181, including any edible fresh or frozen poultry meat, any perishable poultry meat food product, fresh eggs, and any perishable egg product, as close as possible to, but not later than, the 7th day after product delivery.

(B) For fresh or frozen fish, as defined in section 204(3) of the Fish and Seafood Promotion Act of 1986 (16 U.S.C. 4003(3)), as close as possible to, but not later than, the 7th day after product delivery.

(C) For perishable agricultural commodities, as defined in section 1(4) of the Perishable Agricultural Commodities Act of 1930 (7 U.S.C. 499a(4)), as close as possible to, but not later than, the 10th day after product delivery, unless another date is specified in the contract.

(D) For dairy products, as defined in section 111(e) of the Dairy Production Stabilization Act of 1983 (7 U.S.C. 4502(e)), edible fats or oils, and food products prepared from edible fats or oils, as close as possible to, but not later than, the 10th day after the date on which a proper invoice has been received. Liquid milk, cheese, certain processed cheese products, butter, yogurt, ice cream, mayonnaise, salad dressings, and other similar products, fall within this classification. Nothing in the Act limits this classification to refrigerated products. When questions arise regarding the proper classification of a specific product, prevailing industry practices will be followed in specifying a contract payment due date. The burden of proof that a classification of a specific product is, in fact, prevailing industry practice is upon the Contractor making the representation.

(ii) If the contract does not require submission of an invoice for payment (e.g., periodic lease payments), the due date will be as specified in the contract.

(3) Contractor's invoice. The Contractor shall prepare and submit invoices to the designated billing office specified in the contract. A proper invoice must include the items listed in paragraphs (a)(3)(i) through (a)(3)(x) of this clause. If the invoice does not comply with these requirements, the designated billing office will return it within 7 days after receipt (3 days for meat, meat food products, or fish; 5 days for perishable agricultural commodities, dairy products, edible fats or oils, and food products prepared from edible fats or oils), with the reasons why it is not a proper invoice. The Government will take into account untimely notification when computing any interest penalty owed the Contractor.

(i) Name and address of the Contractor.

(ii) Invoice date and invoice number. (The Contractor should date invoices as close as possible to the date of the mailing or transmission.)

(iii) Contract number or other authorization for supplies delivered or services performed (including order number and contract line item number).

(iv) Description, quantity, unit of measure, unit price, and extended price of supplies delivered or services performed.

(v) Shipping and payment terms (e.g., shipment number and date of shipment, discount for prompt payment terms). Bill of lading number and weight of shipment will be shown for shipments on Government bills of lading.

(vi) Name and address of Contractor official to whom payment is to be sent (must be the same as that in the contract or in a proper notice of assignment).

(vii) Name (where practicable), title, phone number, and mailing address of person to notify in the event of a defective invoice.

(viii) Taxpayer Identification Number (TIN). The Contractor shall include its TIN on the invoice only if required elsewhere in this contract.

(ix) Electronic funds transfer (EFT) banking information.

(A) The Contractor shall include EFT banking information on the invoice only if required elsewhere in this contract.

(B) If EFT banking information is not required to be on the invoice, in order for the invoice to be a proper invoice, the Contractor shall have submitted correct EFT banking information in accordance with the applicable solicitation provision (e.g., 52.232-38, Submission of Electronic Funds Transfer Information with Offer), contract clause (e.g., 52.232-33, Payment by Electronic Funds Transfer--Central Contractor Registration, or 52.232-34, Payment by Electronic Funds Transfer--Other Than Central Contractor Registration), or applicable agency procedures.

(C) EFT banking information is not required if the Government waived the requirement to pay by EFT.

(x) Any other information or documentation required by the contract (e.g., evidence of shipment).

(4) Interest penalty. The designated payment office will pay an interest penalty automatically, without request from the Contractor, if payment is not made by the due date and the conditions listed in paragraphs (a)(4)(i) through (a)(4)(iii) of this clause are met, if applicable. However, when the due date falls on a Saturday, Sunday, or legal holiday, the designated payment office may make payment on the following working day without incurring a late payment interest penalty.

(i) The designated billing office received a proper invoice.

(ii) The Government processed a receiving report or other Government documentation authorizing payment, and there was no disagreement over quantity, quality, or Contractor compliance with any contract term or condition.

(iii) In the case of a final invoice for any balance of funds due the Contractor for supplies delivered or services performed, the amount was not subject to further contract settlement actions between the Government and the Contractor.

(5) Computing penalty amount. The Government will compute the interest penalty in accordance with the Office of Management and Budget prompt payment regulations at 5 CFR part 1315.

(i) For the sole purpose of computing an interest penalty that might be due the Contractor, Government acceptance is deemed to occur constructively on the 7th day (unless otherwise specified in this contract) after the Contractor delivers the supplies or performs the services in accordance with the terms and conditions of the contract, unless there is a disagreement over quantity, quality, or Contractor compliance with a contract provision. If actual acceptance occurs within the constructive acceptance period, the Government will base the determination of an

interest penalty on the actual date of acceptance. The constructive acceptance requirement does not, however, compel Government officials to accept supplies or services, perform contract administration functions, or make payment prior to fulfilling their responsibilities.

(ii) The prompt payment regulations at 5 CFR 1315.10(c) do not require the Government to pay interest penalties if payment delays are due to disagreement between the Government and the Contractor over the payment amount or other issues involving contract compliance, or on amounts temporarily withheld or retained in accordance with the terms of the contract. The Government and the Contractor shall resolve claims involving disputes and any interest that may be payable in accordance with the clause at FAR 52.233-1, Disputes.

(6) Discounts for prompt payment. The designated payment office will pay an interest penalty automatically, without request from the Contractor, if the Government takes a discount for prompt payment improperly. The Government will calculate the interest penalty in accordance with the prompt payment regulations at 5 CFR part 1315.

(7) Additional interest penalty. (i) The designated payment office will pay a penalty amount, calculated in accordance with the prompt payment regulations at 5 CFR part 1315 in addition to the interest penalty amount only if--

(A) The Government owes an interest penalty of \$1 or more;

(B) The designated payment office does not pay the interest penalty within 10 days after the date the invoice amount is paid; and

(C) The Contractor makes a written demand to the designated payment office for additional penalty payment, in accordance with paragraph (a)(7)(ii) of this clause, postmarked not later than 40 days after the invoice amount is paid.

(ii)(A) The Contractor shall support written demands for additional penalty payments with the following data. The Government will not request any additional data. The Contractor shall--

(1) Specifically assert that late payment interest is due under a specific invoice, and request payment of all overdue late payment interest penalty and such additional penalty as may be required;

(2) Attach a copy of the invoice on which the unpaid late payment interest is due; and

(3) State that payment of the principal has been received, including the date of receipt.

(B) If there is no postmark or the postmark is illegible--

(1) The designated payment office that receives the demand will annotate it with the date of receipt, provided the demand is received on or before the 40th day after payment was made; or

(2) If the designated payment office fails to make the required annotation, the Government will determine the demand's validity based on the date the Contractor has placed on the demand, provided such date is no later than the 40th day after payment was made.

(iii) The additional penalty does not apply to payments regulated by other Government regulations (e.g., payments under utility contracts subject to tariffs and regulation).

(b) Contract financing payment. If this contract provides for contract financing, the Government will make contract financing payments in accordance with the applicable contract financing clause.

(c) Fast payment procedure due dates. If this contract contains the clause at 52.213-1, Fast Payment Procedure, payments will be made within 15 days after the date of receipt of the invoice.

(d) Overpayments. If the Contractor becomes aware of a duplicate payment or that the Government has otherwise overpaid on an invoice payment, the Contractor shall immediately notify the Contracting Officer and request instructions for disposition of the overpayment.

52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (APR 2003)

(a) Definitions. As used this clause--

"Commercial item", has the meaning contained in the clause at 52.202-1, Definitions.

"Subcontract", includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c)(1) The Contractor shall insert the following clauses in subcontracts for commercial items:

(i) 52.219-8, Utilization of Small Business Concerns (OCT 2000) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$500,000 (\$1,000,000 for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(ii) 52.222-26, Equal Opportunity (APR 2002) (E.O. 11246).

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era and Other Eligible Veterans (DEC 2001) (38 U.S.C. 4212(a)).

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (JUN 1998) (29 U.S.C. 793).

(v) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (APR 2003) (46 U.S.C. Appx 1241 and 10 U.S.C. 2631) (flow down required in accordance with paragraph (d) of FAR clause 52.247-64).

(2) While not required, the Contractor may flow down to subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

(d) The Contractor shall include the terms of this clause, including this paragraph (d), in subcontracts awarded under this contract.

(End of clause)

52.247-1 COMMERCIAL BILL OF LADING NOTATIONS (APR 1984)

If the Contracting Officer authorizes supplies to be shipped on a commercial bill of lading and the Contractor will be reimbursed these transportation costs as direct allowable costs, the Contractor shall ensure before shipment is made that the commercial shipping documents are annotated with either of the following notations, as appropriate:

(a) If the Government is shown as the consignor or the consignee, the annotation shall be:

"Transportation is for the Naval Surface Warfare Center, Carderock Division, Philadelphia, PA and the actual total transportation charges paid to the carrier(s) by the consignor or consignee are assignable to, and shall be reimbursed by, the Government."

(b) If the Government is not shown as the consignor or the consignee, the annotation shall be:

"Transportation is for the N/A (*name the specific agency*) and the actual total transportation charges paid

to the carrier(s) by the consignor or consignee shall be reimbursed by the Government, pursuant to cost-reimbursement contract No. _____. This may be confirmed by contacting _____. " (Name and address of the contract administration office listed in the contract).

(End of clause)

52.248-1 VALUE ENGINEERING (FEB 2000)

(a) General. The Contractor is encouraged to develop, prepare, and submit value engineering change proposals (VECP's) voluntarily. The Contractor shall share in any net acquisition savings realized from accepted VECP's, in accordance with the incentive sharing rates in paragraph (f) below.

(b) Definitions. "Acquisition savings," as used in this clause, means savings resulting from the application of a VECP to contracts awarded by the same contracting office or its successor for essentially the same unit. Acquisition savings include--

(1) Instant contract savings, which are the net cost reductions on this, the instant contract, and which are equal to the instant unit cost reduction multiplied by the number of instant contract units affected by the VECP, less the Contractor's allowable development and implementation costs;

(2) Concurrent contract savings, which are net reductions in the prices of other contracts that are definitized and ongoing at the time the VECP is accepted; and

(3) Future contract savings, which are the product of the future unit cost reduction multiplied by the number of future contract units in the sharing base. On an instant contract, future contract savings include savings on increases in quantities after VECP acceptance that are due to contract modifications, exercise of options, additional orders, and funding of subsequent year requirements on a multiyear contract.

"Collateral costs," as used in this clause, means agency cost of operation, maintenance, logistic support, or Government-furnished property.

"Collateral savings," as used in this clause, means those measurable net reductions resulting from a VECP in the agency's overall projected collateral costs, exclusive of acquisition savings, whether or not the acquisition cost changes.

"Contracting office" includes any contracting office that the acquisition is transferred to, such as another branch of the agency or another agency's office that is performing a joint acquisition action.

"Contractor's development and implementation costs," as used in this clause, means those costs the Contractor incurs on a VECP specifically in developing, testing, preparing, and submitting the VECP, as well as those costs the Contractor incurs to make the contractual changes required by Government acceptance of a VECP.

"Future unit cost reduction," as used in this clause, means the instant unit cost reduction adjusted as the Contracting Officer considers necessary for projected learning or changes in quantity during the sharing period. It is calculated at the time the VECP is accepted and applies either (1) throughout the sharing period, unless the Contracting Officer decides that recalculation is necessary because conditions are significantly different from those previously anticipated or (2) to the calculation of a lump-sum payment, which cannot later be revised.

"Government costs," as used in this clause, means those agency costs that result directly from developing and implementing the VECP, such as any net increases in the cost of testing, operations, maintenance, and logistics support. The term does not include the normal administrative costs of processing the VECP or any increase in this contract's cost or price resulting from negative instant contract savings.

"Instant contract," as used in this clause, means this contract, under which the VECP is submitted. It does not include increases in quantities after acceptance of the VECP that are due to contract modifications, exercise of options, or additional orders. If this is a multiyear contract, the term does not include quantities funded after VECP

acceptance. If this contract is a fixed-price contract with prospective price redetermination, the term refers to the period for which firm prices have been established.

"Instant unit cost reduction" means the amount of the decrease in unit cost of performance (without deducting any Contractor's development or implementation costs) resulting from using the VECP on this, the instant contract. If this is a service contract, the instant unit cost reduction is normally equal to the number of hours per line-item task saved by using the VECP on this contract, multiplied by the appropriate contract labor rate.

"Negative instant contract savings" means the increase in the cost or price of this contract when the acceptance of a VECP results in an excess of the Contractor's allowable development and implementation costs over the product of the instant unit cost reduction multiplied by the number of instant contract units affected.

"Net acquisition savings" means total acquisition savings, including instant, concurrent, and future contract savings, less Government costs.

"Sharing base," as used in this clause, means the number of affected end items on contracts of the contracting office accepting the VECP.

Sharing period, as used in this clause, means the period beginning with acceptance of the first unit incorporating the VECP and ending at a calendar date or event determined by the contracting officer for each VECP.

"Unit," as used in this clause, means the item or task to which the Contracting Officer and the Contractor agree the VECP applies.

"Value engineering change proposal (VECP)" means a proposal that--

(1) Requires a change to this, the instant contract, to implement; and

(2) Results in reducing the overall projected cost to the agency without impairing essential functions or characteristics; provided, that it does not involve a change--

(i) In deliverable end item quantities only;

(ii) In research and development (R&D) end items or R&D test quantities that is due solely to results of previous testing under this contract; or

(iii) To the contract type only.

(c) VECP preparation. As a minimum, the Contractor shall include in each VECP the information described in subparagraphs (1) through (8) below. If the proposed change is affected by contractually required configuration management or similar procedures, the instructions in those procedures relating to format, identification, and priority assignment shall govern VECP preparation. The VECP shall include the following:

(1) A description of the difference between the existing contract requirement and the proposed requirement, the comparative advantages and disadvantages of each, a justification when an item's function or characteristics are being altered, the effect of the change on the end item's performance, and any pertinent objective test data.

(2) A list and analysis of the contract requirements that must be changed if the VECP is accepted, including any suggested specification revisions.

(3) Identification of the unit to which the VECP applies.

(4) A separate, detailed cost estimate for (i) the affected portions of the existing contract requirement and (ii) the VECP. The cost reduction associated with the VECP shall take into account the Contractor's allowable development

and implementation costs, including any amount attributable to subcontracts under the Subcontracts paragraph of this clause, below.

(5) A description and estimate of costs the Government may incur in implementing the VECP, such as test and evaluation and operating and support costs.

(6) A prediction of any effects the proposed change would have on collateral costs to the agency.

(7) A statement of the time by which a contract modification accepting the VECP must be issued in order to achieve the maximum cost reduction, noting any effect on the contract completion time or delivery schedule.

(8) Identification of any previous submissions of the VECP, including the dates submitted, the agencies and contract numbers involved, and previous Government actions, if known.

(d) Submission. The Contractor shall submit VECP's to the Contracting Officer, unless this contract states otherwise. If this contract is administered by other than the contracting office, the Contractor shall submit a copy of the VECP simultaneously to the Contracting Officer and to the Administrative Contracting Officer.

(e) Government action. (1) The Contracting Officer will notify the Contractor of the status of the VECP within 45 calendar days after the contracting office receives it. If additional time is required, the Contracting Officer will notify the Contractor within the 45-day period and provide the reason for the delay and the expected date of the decision. The Government will process VECP's expeditiously; however, it shall not be liable for any delay in acting upon a VECP.

(2) If the VECP is not accepted, the Contracting Officer will notify the Contractor in writing, explaining the reasons for rejection. The Contractor may withdraw any VECP, in whole or in part, at any time before it is accepted by the Government. The Contracting Officer may require that the Contractor provide written notification before undertaking significant expenditures for VECP effort.

(3) Any VECP may be accepted, in whole or in part, by the Contracting Officer's award of a modification to this contract citing this clause and made either before or within a reasonable time after contract performance is completed. Until such a contract modification applies a VECP to this contract, the Contractor shall perform in accordance with the existing contract. The decision to accept or reject all or part of any VECP is a unilateral decision made solely at the discretion of the Contracting Officer.

(f) Sharing rates. If a VECP is accepted, the Contractor shall share in net acquisition savings according to the percentages shown in the table below. The percentage paid the Contractor depends upon (1) this contract's type (fixed-price, incentive, or cost-reimbursement), (2) the sharing arrangement specified in paragraph (a) above (incentive, program requirement, or a combination as delineated in the Schedule), and (3) the source of the savings (the instant contract, or concurrent and future contracts), as follows:

CONTRACTOR'S SHARE OF NET ACQUISITION SAVINGS

(Figures in percent)

Contract Type	Incentive (Voluntary)		Program Requirement (Mandatory)	
	Instant Contract Rate	Concurrent and Future Contract Rate	Instant Contract Rate	Concurrent and Future Contract Rate
Fixed-price (includes fixed-price-award-fee; excludes other fixed-price incentive	(1) 50	(1) 50	(1) 25	25

contracts)				
Incentive (fixed-price or cost) (other than award fee)	(2)	(1) 50	(2)	25
Cost-reimbursement (includes cost-plus-award-fee; excludes other cost-type incentive Contracts)	(3) 25	(3) 25	15	15

(1) The Contracting Officer may increase the Contractor's sharing rate to as high as 75 percent for each VECP.

(2) Same sharing arrangement as the contract's profit or fee adjustment formula.

(3) The Contracting Officer may increase the Contractor's sharing rate to as high as 50 percent for each VECP.

(g) Calculating net acquisition savings.

(1) Acquisition savings are realized when (i) the cost or price is reduced on the instant contract, (ii) reductions are negotiated in concurrent contracts, (iii) future contracts are awarded, or (iv) agreement is reached on a lump-sum payment for future contract savings (see subparagraph (i)(4) below). Net acquisition savings are first realized, and the Contractor shall be paid a share, when Government costs and any negative instant contract savings have been fully offset against acquisition savings.

(2) Except in incentive contracts, Government costs and any price or cost increases resulting from negative instant contract savings shall be offset against acquisition savings each time such savings are realized until they are fully offset. Then, the Contractor's share is calculated by multiplying net acquisition savings by the appropriate Contractor's percentage sharing rate (see paragraph (f) above). Additional Contractor shares of net acquisition savings shall be paid to the Contractor at the time realized.

(3) If this is an incentive contract, recovery of Government costs on the instant contract shall be deferred and offset against concurrent and future contract savings. The Contractor shall share through the contract incentive structure in savings on the instant contract items affected. Any negative instant contract savings shall be added to the target cost or to the target price and ceiling price, and the amount shall be offset against concurrent and future contract savings.

(4) If the Government does not receive and accept all items on which it paid the Contractor's share, the Contractor shall reimburse the Government for the proportionate share of these payments.

(h) Contract adjustment. The modification accepting the VECP (or a subsequent modification issued as soon as possible after any negotiations are completed) shall--

(1) Reduce the contract price or estimated cost by the amount of instant contract savings, unless this is an incentive contract;

(2) When the amount of instant contract savings is negative, increase the contract price, target price and ceiling price, target cost, or estimated cost by that amount;

(3) Specify the Contractor's dollar share per unit on future contracts, or provide the lump-sum payment;

(4) Specify the amount of any Government costs or negative instant contract savings to be offset in determining net acquisition savings realized from concurrent or future contract savings; and

(5) Provide the Contractor's share of any net acquisition savings under the instant contract in accordance with the following:

(i) Fixed-price contracts--add to contract price.

(ii) Cost-reimbursement contracts--add to contract fee.

(i) Concurrent and future contract savings.

(1) Payments of the Contractor's share of concurrent and future contract savings shall be made by a modification to the instant contract in accordance with subparagraph (h)(5) above. For incentive contracts, shares shall be added as a separate firm-fixed-price line item on the instant contract. The Contractor shall maintain records adequate to identify the first delivered unit for 3 years after final payment under this contract.

(2) The Contracting Officer shall calculate the Contractor's share of concurrent contract savings by (i) subtracting from the reduction in price negotiated on the concurrent contract any Government costs or negative instant contract savings not yet offset and (ii) multiplying the result by the Contractor's sharing rate.

(3) The Contracting Officer shall calculate the Contractor's share of future contract savings by (i) multiplying the future unit cost reduction by the number of future contract units scheduled for delivery during the sharing period, (ii) subtracting any Government costs or negative instant contract savings not yet offset, and (iii) multiplying the result by the Contractor's sharing rate.

(4) When the Government wishes and the Contractor agrees, the Contractor's share of future contract savings may be paid in a single lump sum rather than in a series of payments over time as future contracts are awarded. Under this alternate procedure, the future contract savings may be calculated when the VECP is accepted, on the basis of the Contracting Officer's forecast of the number of units that will be delivered during the sharing period. The Contractor's share shall be included in a modification to this contract (see subparagraph (h)(3) above) and shall not be subject to subsequent adjustment.

(5) Alternate no-cost settlement method. When, in accordance with subsection 48.104-4 of the Federal Acquisition Regulation, the Government and the Contractor mutually agree to use the no-cost settlement method, the following applies:

(i) The Contractor will keep all the savings on the instant contract and on its concurrent contracts only.

(ii) The Government will keep all the savings resulting from concurrent contracts placed on other sources, savings from all future contracts, and all collateral savings.

(j) Collateral savings. If a VECP is accepted, the Contracting Officer will increase the instant contract amount, as specified in paragraph (h)(5) of this clause, by a rate from 20 to 100 percent, as determined by the Contracting Officer, of any projected collateral savings determined to be realized in a typical year of use after subtracting any Government costs not previously offset. However, the Contractor's share of collateral savings will not exceed the contract's firm-fixed-price, target price, target cost, or estimated cost, at the time the VECP is accepted, or \$100,000, whichever is greater. The Contracting Officer will be the sole determiner of the amount of collateral savings.

(k) Relationship to other incentives. Only those benefits of an accepted VECP not rewardable under performance, design-to-cost (production unit cost, operating and support costs, reliability and maintainability), or similar incentives shall be rewarded under this clause. However, the targets of such incentives affected by the VECP shall not be adjusted because of VECP acceptance. If this contract specifies targets but provides no incentive to surpass them, the value engineering sharing shall apply only to the amount of achievement better than target.

(l) Subcontracts. The Contractor shall include an appropriate value engineering clause in any subcontract of \$100,000 or more and may include one in subcontracts of lesser value. In calculating any adjustment in this contract's price for instant contract savings (or negative instant contract savings), the Contractor's allowable development and implementation costs shall include any subcontractor's allowable development and implementation costs, and any value engineering incentive payments to a subcontractor, clearly resulting from a VECP accepted by

the Government under this contract. The Contractor may choose any arrangement for subcontractor value engineering incentive payments; provided, that the payments shall not reduce the Government's share of concurrent or future contract savings or collateral savings.

(m) Data. The Contractor may restrict the Government's right to use any part of a VECP or the supporting data by marking the following legend on the affected parts:

"These data, furnished under the Value Engineering clause of contract , shall not be disclosed outside the Government or duplicated, used, or disclosed, in whole or in part, for any purpose other than to evaluate a value engineering change proposal submitted under the clause. This restriction does not limit the Government's right to use information contained in these data if it has been obtained or is otherwise available from the Contractor or from another source without limitations."

If a VECP is accepted, the Contractor hereby grants the Government unlimited rights in the VECP and supporting data, except that, with respect to data qualifying and submitted as limited rights technical data, the Government shall have the rights specified in the contract modification implementing the VECP and shall appropriately mark the data. (The terms "unlimited rights" and "limited rights" are defined in Part 27 of the Federal Acquisition Regulation.)

(End of clause)

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far> or <http://farsite.hill.af.mil>

252.211-7005 SUBSTITUTIONS FOR MILITARY OR FEDERAL SPECIFICATIONS AND STANDARDS (FEB 2003)

(a) Definition. "SPI process," as used in this clause, means a management or manufacturing process that has been accepted previously by the Department of Defense under the Single Process Initiative (SPI) for use in lieu of a specific military or Federal specification or standard at specific facilities. Under SPI, these processes are reviewed and accepted by a Management Council, which includes representatives of the Contractor, the Defense Contract Management Agency, the Defense Contract Audit Agency, and the military departments.

(b) Offerors are encouraged to propose SPI processes in lieu of military or Federal specifications and standards cited in the solicitation. A listing of SPI processes accepted at specific facilities is available via the Internet in PDF format in Excel format at <http://www.dcmam.mil/onebook/7.0/7.2/7.2.6/reports/modified.xls>.

(c) An offeror proposing to use an SPI process in lieu of military or Federal specifications or standards cited in the solicitation shall--

(1) Identify the specific military or Federal specification or standard for which the SPI process has been accepted;

(2) Identify each facility at which the offeror proposes to use the specific SPI process in lieu of military or Federal specifications or standards cited in the solicitation;

(3) Identify the contract line items, subline items, components, or elements affected by the SPI process; and

(4) If the proposed SPI process has been accepted at the facility at which it is proposed for use, but is not yet listed at the Internet site specified in paragraph (b) of this clause, submit documentation of Department of Defense acceptance of the SPI process.

(d) Absent a determination that an SPI process is not acceptable for this procurement, the Contract shall use the following SPI processes in lieu of military or Federal specifications or standards:

(Offeror insert information for each SPI process)

SPI Process: _____

Facility: _____

Military or Federal Specification or Standard: _____

Affected Contract Line Item Number, Subline Item Number, Component, or Element: _____

(e) If a prospective offeror wishes to obtain, prior to the time specified for receipt of offers, verification that an SPI process is an acceptable replacement for military or Federal specifications or standards required by the solicitation, the prospective offeror--

(1) May submit the information required by paragraph (d) of this clause to the Contracting Officer prior to submission of an offer; but

(2) Must submit the information to the Contracting Officer at least 10 working days prior to the date specified for receipt of offers.

(End of clause)

CAR-I06 WRITTEN ORDERS (INDEFINITE DELIVERY CONTRACTS) (JUN 1996)(NSWCCD)

Written orders (on DD Form 1155) will contain the following information consistent with the terms of the contract:

(a) Date of order

(b) Contract number and order number.

(c) Item number and description, quantity ordered, unit price and contract price.

(d) Delivery or performance date.

(e) Place of delivery or performing (including consignee).

(f) Packaging, packing, and shipping instructions if any required.

(g) Accounting and appropriation data.

(h) Inspection invoicing and payment provisions to the extent not covered in the contract; and any other pertinent information.

CAR-I10 AUTHORIZED CHANGES ONLY BY THE CONTRACTING OFFICER (JUN 1996) (NSWCCD)

(a) Except as specified in paragraph (b) below, no order, statement, or conduct of Government personnel who visit the Contractor's facilities or in any other manner communicates with Contractor personnel during the performance of this contract shall constitute a change under the "Changes" clause of this contract.

(b) The Contractor shall not comply with any order, direction or request of Government personnel unless it is issued in writing and signed by the Contracting Officer, or is pursuant to specific authority otherwise included as a part of this contract.

(c) The Contracting Officer is the only person authorized to approve changes in any of the requirements of this contract and notwithstanding provisions contained elsewhere in this contract, the said authority remains solely the Contracting Officer's. In the event the contractor effects any change at the direction of any person other than the Contracting Officer, the change will be considered to have been made without authority and no adjustment will be made in the contract price to cover any increase in charges incurred as a result thereof. The address and telephone number of the Contracting Officer is:

NAME: R. SIEGER, Contracting Officer, Code 3351
ADDRESS: Carderock Division, Naval Surface Warfare Center
5001 South Broad Street, Philadelphia, PA 19112-1403
TELEPHONE: 215-897-7055

SECTION J List of Documents, Exhibits and Other Attachments

Attachment: (1) NAVSEA Drawings 804-5959312, Revision A
803-5751208, Revision A
803-5001001, Revision D
807-6251154

Exhibit: (A) DD Form 1423, Contract Data Requirements List (5 pages) and TDP Option Selection Worksheet
Product Drawings And Associated Lists, Attachments (1) through (5) (5 pages)

SECTION K Representations, Certifications and Other Statements of Offerors

CLAUSES INCORPORATED BY REFERENCE:

52.203-11	Certification And Disclosure Regarding Payments To Influence Certain Federal Transactions	APR 1991
52.222-38	Compliance with Veterans' Employment Reporting Requirements	DEC 2001
252.209-7001	Disclosure of Ownership or Control by the Government of a Terrorist Country	MAR 1998
252.225-7003	Report of Intended Performance Outside the United States	APR 2003
252.225-7031	Secondary Arab Boycott Of Israel	APR 2003

CLAUSES INCORPORATED BY FULL TEXT

52.203-2 CERTIFICATE OF INDEPENDENT PRICE DETERMINATION (APR 1985)

(a) The offeror certifies that --

(1) The prices in this offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other offeror or competitor relating to --

(i) Those prices,

(ii) The intention to submit an offer, or

(iii) The methods of factors used to calculate the prices offered:

(2) The prices in this offer have not been and will not be knowingly disclosed by the offeror, directly or indirectly, to any other offeror or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a negotiated solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the offeror to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

(b) Each signature on the offer is considered to be a certification by the signatory that the signatory --

(1) Is the person in the offeror's organization responsible for determining the prices offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision _____ (insert full name of person(s) in the offeror's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the offeror's organization);

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and

(iii) As an agent, has not personally participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision.

(c) If the offeror deletes or modifies subparagraph (a)(2) of this provision, the offeror must furnish with its offer a signed statement setting forth in detail the circumstances of the disclosure.

(End of provision)

52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (DEC 2001)

(a)(1) The Offeror certifies, to the best of its knowledge and belief, that--

(i) The Offeror and/or any of its Principals--

(A) Are () are not () presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have () have not (), within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) Are () are not () presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision (a)(1)(i)(B) of this provision.

(ii) The Offeror has () has not (), within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification,

in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

(End of provision)

52.215-6 PLACE OF PERFORMANCE (OCT 1997)

(a) The offeror or respondent, in the performance of any contract resulting from this solicitation, () intends, () does not intend [check applicable block] to use one or more plants or facilities located at a different address from the address of the offeror or respondent as indicated in this proposal or response to request for information.

(b) If the offeror or respondent checks "intends" in paragraph (a) of this provision, it shall insert in the following spaces the required information:

**Place of Performance(Street Address, City, State,
County, Zip Code)**

**Name and Address of Owner and Operator of the
Plant or Facility if Other Than Offeror or
Respondent**

(End of provision)

52.215-7 ANNUAL REPRESENTATIONS AND CERTIFICATIONS--NEGOTIATION (OCT 1997)

The offeror has [check the appropriate block]:

_____ (a) Submitted to the contracting office issuing this solicitation, annual representations and certifications dated _____ (insert date of signature on submission) that are incorporated herein by reference, and are current, accurate, and complete as of the date of this proposal, except as follows (insert changes that affect only this proposal; if "none," so state):

_____ (b) Enclosed its annual representations and certifications.

(End of provision)

52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (APR 2002) ALTERNATE I (APR 2002)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is 332313.

(2) The small business size standard is 500.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it () is, () is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it () is, () is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it () is, () is not a service-disabled veteran-owned small business concern.

(6) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, as part of its offer, that--

(i) It () is, () is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It () is, () is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. (The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: _____.) Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(7) (Complete if offeror represented itself as disadvantaged in paragraph (b)(2) of this provision.) The offeror shall check the category in which its ownership falls:

() Black American.

() Hispanic American.

() Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

() Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

() Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

() Individual/concern, other than one of the preceding.

(c) Definitions. As used in this provision--

Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

Small business concern means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

Women-owned small business concern means a small business concern --

(1) That is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)

The offeror represents that --

(a) ☐ It has, ☐ has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) ☐ It has, ☐ has not, filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

(End of provision)

52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that

(a) ☐ it has developed and has on file, ☐ has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or

(b) ☐ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

(End of provision)

52.223-13 CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING (OCT 2000)

(a) Submission of this certification is a prerequisite for making or entering into this contract imposed by Executive Order 12969, August 8, 1995.

(b) By signing this offer, the offeror certifies that--

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: (Check each block that is applicable.)

☐ (i) The facility does not manufacture, process or otherwise use any toxic chemicals listed under section 313(c) of EPCRA, 42 U.S.C. 11023(c);

☐ (ii) The facility does not have 10 or more full-time employees as specified in section 313.(b)(1)(A) of EPCRA 42 U.S.C. 11023(b)(1)(A);

☐ (iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

☐ (iv) The facility does not fall within Standard Industrial Classification Code (SIC) major groups 20 through 39 or their corresponding North American Industry Classification System (NAICS) sectors 31 through 33; or

☐ (v) The facility is not located within any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Northern Mariana Islands, or any other territory or possession over which the United States has jurisdiction.

252.225-7000 BUY AMERICAN ACT--BALANCE OF PAYMENTS PROGRAM CERTIFICATE (APR 2003)

(a) Definitions. Domestic end product, foreign end product, qualifying country, and qualifying country end product have the meanings given in the Buy American Act and Balance of Payments Program clause of this solicitation.

(b) Evaluation. The Government--

(1) Will evaluate offers in accordance with the policies and procedures of Part 225 of the Defense Federal Acquisition Regulation Supplement; and

(2) Will evaluate offers of qualifying country end products without regard to the restrictions of the Buy American Act or the Balance of Payments Program.

(c) Certifications and identification of country of origin.

(1) For all line items subject to the Buy American Act and Balance of Payments Program clause of this solicitation, the offeror certifies that--

(i) Each end product, except those listed in paragraph (c)(2) or (3) of this provision, is a domestic end product; and

(ii) Components of unknown origin are considered to have been mined, produced, or manufactured outside the United States or a qualifying country.

(2) The offeror certifies that the following end products are qualifying country end products:

(Line Item Number Country of Origin)

(Country of Origin)

(3) The following end products are other foreign end products:

(Line Item Number)

(Country of Origin) (If known)

(End of provision)

252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA (AUG 1992)

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term supplies is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it:

____ (1) Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

____ (2) Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

(End of provision)

CAR-K01 ELECTRONIC DISTRIBUTION OF CONTRACT DOCUMENTS (NOV 2000)

(a) The Navy Air Force Interface (NAFI) provides World Wide Web access to documents used to support the procurement, contract administration, bill paying, and accounting processes. NAFI is being used by the Naval Surface Warfare Center, Carderock Division to electronically distribute all contract award and contract modification documents, including task and delivery orders. The contractor's copy will be provided in portable document format (pdf) as an attachment to an e-mail that will be sent to the contractor by the NAFI system. A pdf file may be accessed using Adobe Acrobat Reader which is a free software that may be downloaded at <http://www.adobe.com/products/acrobat/readstep.html>.

(b) Offerors must provide the following information that will be used to make electronic distribution for any resultant contract.

Name of Point of Contact _____

Phone Number for Point of Contact _____

E-mail Address for Receipt of Electronic Distribution _____

SECTION L Instructions, Conditions and Notices to Bidders

CLAUSES INCORPORATED BY REFERENCE:

52.204-6	Data Universal Numbering System (DUNS) Number	JUN 1999
52.214-34	Submission Of Offers In The English Language	APR 1991
52.214-35	Submission Of Offers In U.S. Currency	APR 1991
52.215-1	Instructions to Offerors--Competitive Acquisition	MAY 2001
52.222-24	Preaward On-Site Equal Opportunity Compliance Evaluation	FEB 1999
252.227-7017	Identification and Assertion of Use, Release, or Disclosure Restrictions	JUN 1995

CLAUSES INCORPORATED BY FULL TEXT

52.211-2 AVAILABILITY OF SPECIFICATIONS LISTED IN THE DOD INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) AND DESCRIPTIONS LISTED IN THE ACQUISITION MANAGEMENT SYSTEMS AND DATA REQUIREMENTS CONTROL LIST, DOD 5010.12-L (DEC 1999)

Copies of specifications, standards, and data item descriptions cited in this solicitation may be obtained--

(a) From the ASSIST database via the Internet at <http://assist.daps.mil>; or

(b) By submitting a request to the--Department of Defense Single Stock Point (DoDSSP), Building 4, Section D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Telephone (215) 697-2667/2179, Facsimile (215) 697-1462.

(End of provision)

52.211-14 NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)

Any contract awarded as a result of this solicitation will be ☐ DX rated order; ☒ DO rated order certified for national defense use under the Defense Priorities and Allocations System (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation. [Contracting Officer check appropriate box.]

(End of provision)

52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a firm-fixed price requirements contract resulting from this solicitation.

52.233-2 SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from

R. Sieger, Contracting Officer, Code 3351
Carderock Division, Naval Surface Warfare Center
5001 South Broad Street
Philadelphia, PA 19112-1403

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

CAR-L02 SINGLE AWARD FOR ALL ITEMS (JUN 1996) (NSWCCD)

Due to the interrelationship of supplies and/or services to be provided hereunder, the Government reserves the right to make a single award to the offeror whose offer is considered in the best interest of the Government, price and other factors considered. Therefore, offerors proposing less than the entire effort specified herein may be determined to be unacceptable.

CAR-L11 PROPOSAL PREPARATION REQUIREMENT (JUL 2002) (NSWCCD)

It is requested that offerors prepare their proposals in accordance with the following organization, content and format requirements to assist the government in making a complete and thorough evaluation of all proposals. Proposals shall be submitted as three separate documents, as follows:

Documents	Original	Copies
Solicitation, Offer and Award Document (SF-33)	1	1
Technical Proposal	1	4

The "originals" shall be clearly identified as the "ORIGINAL", and bear the original signature(s) of the offeror. The "copies" shall be complete and clearly identified as "COPY" or "DUPLICATE".

(1) SOLICITATION, OFFER AND AWARD DOCUMENTS (SF-33 RFP)

This document, which may be used as part of the contract award document, shall be fully executed and returned as a separate document from the technical proposal. Special attention should be taken to accurately enter the prices required in Section B, complete all Representations and Certifications in Section K and ensure that an authorized person signs the offer in Block 17 of Page 1.

The document SHALL NOT be embellished with any cover or binding. If the offeror makes any qualifications to any provisions in the RFP, all such qualifications shall be listed in a cover letter to the proposal. Qualifications may also be annotated on the Solicitation, Offer and Award document, if such annotation is necessary to clarify the qualifications.

(2) TECHNICAL PROPOSAL

The technical/management proposal should be written so that management and engineering oriented personnel can make a thorough evaluation and arrive at a sound determination as to whether the proposal meets the requirements of this solicitation. To this end, the technical proposal shall be so specific, detailed and complete as to clearly and fully demonstrate that the prospective contractor has a thorough understanding of the technical requirements contained in Section C of this solicitation.

Statements such as "the offeror understands," "will comply with the statement of work," "standard procedures will be employed," "well known techniques will be used" and general paraphrasing of the statement of work are considered inadequate. The technical proposal must provide details concerning what the contractor will do and how it will be done. This includes a full explanation of the techniques, disciplines, and procedures proposed to be followed.

The technical proposal shall not contain any reference to cost or price; however, information concerning labor allocation and categories, consultants, travel, materials, equipment and any information of interest to technical reviewers shall be contained in the technical proposal in sufficient detail so that the offeror's understanding of the scope of the work may be adequately evaluated. The technical proposal shall be page numbered, contain a table of contents, be organized in the following five (5) sections, and shall address in detail the following information:

SECTION 1 - INTRODUCTION

This section shall provide any necessary background information and an overview of the proposal which the offeror believes will assist in the understanding and accurate evaluation of the proposal.

SECTION 2 - TECHNICAL CAPABILITY

In this section the offeror shall provide a narrative addressing the production and technical equipment and facilities, and other resources or personnel, or the ability to obtain them, it intends to use in performance under any resulting contract. The offeror shall describe the means, methods and controls to be employed during purchasing, manufacturing, painting, assembly and packaging, as well as any inspections and tests it will conduct to ensure the Light Weight Modular Berth Units and Spare Parts will comply with the requirements set forth in the Technical Procurement Specification contained in Section C.

SECTION 3 – CORPORATE EXPERIENCE

In this section, the offeror must describe its experience with the production and manufacture of shipboard furniture or similar supplies as covered by the solicitation.

SECTION 4 – INSPECTION/QUALITY SYSTEM

The offeror must possess an Inspection/Quality System that complies with Military Specification MIL-I-45208A, Military Specification MIL-Q-9858A or International and American National Standards ANSI/ISO/ASQC 9000-2000, 9001-2000, 9002-2000 or 9003-2000. In order to be rated as technically acceptable in this factor, offerors must provide in this section documentation that it possesses an Inspection/Quality System that has been determined to comply with one of the higher-level quality standards identified above.

SECTION 5 – PAST PERFORMANCE

The quality of an offeror's performance shall be assessed in this section. The Navy intends to review the Contractor Performance Assessment Reporting System (CPARS) ratings of an offeror's performance of relevant contracts. In the event the Navy cannot obtain adequate CPARS rating information regarding a particular offeror, the Navy may review other relevant past performance information from sources other than those identified by the offeror. General trends in a contractor's performance will also be considered.

Each offeror has the opportunity to provide in its proposal in this section any information regarding its past performance of contracts similar to the Navy's requirement that it would like the Navy to consider to determine the offeror has a record of satisfactory past performance. Such information may be in the nature of additional information to that which the Navy has readily available, or which has already been rated under the CPARS system, or which the offeror considers essential to the Navy's evaluation or explanatory information of substandard or poor performance and the corrective actions taken to prevent a recurrence. The Navy reserves the right to verify statements and representations made in an offeror's proposal.

To assist the Navy in performing the past performance evaluation defined above, offerors shall provide a synopsis of previous contracts which involved similar or related work performed (or currently performing) in the last three (3) years. The offeror may identify Federal, State and Local government and private contracts that are similar to the statement of work for ongoing contracts or contracts completed in the past three years.

For each contract, the contractor shall provide a narrative discussion of the work performed and a list that provides the following information:

1. Contract Number
2. Customer/Agency
3. Contracting Officer (name and phone number)

4. Contract Type
5. Award Price
6. Contract Deliverables
7. Contract Summary – The contract summary shall provide a descriptive overview of the contract, not exceeding one page in length, including a discussion of actual performance under each contract listed, problems encountered and how they were resolved, timeliness of deliverables required, business relationships, management of key personnel, and any other areas deemed necessary to provide insight into actual performance issues.

In this section the offeror shall also provide information demonstrating their past performance in complying with the requirements of FAR Clause 52.219-8, entitled “Utilization of Small Business Concerns,” which requires a contractor to carry out the Government’s policy of providing small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small business concerns, small disadvantaged business concerns and women-owned business concerns the maximum practicable opportunity to participate in subcontracting opportunities.

SECTION M Evaluation Factors for Award

CLAUSES INCORPORATED BY REFERENCE:

52.247-50 No Evaluation Of Transportation Costs

APR 1984

CLAUSES INCORPORATED BY FULL TEXT

CAR-M02 AGENCY SPECIFIC PROVISION - EVALUATION OF PROPOSALS (AUG 1999) (NSWCCD)

(a) **General.** Careful, full and impartial consideration will be given to all offers received pursuant to this solicitation, and the evaluation will be accomplished in a similar manner. Factors against which offers will be evaluated are set forth below and parallel the solicitation response called for elsewhere herein.

(b) **Initial Evaluation of Offers.** An evaluation plan has been established to evaluate offers pursuant to the factors set forth in (f) below and all offers received will be evaluated by a team of Government personnel in accordance with the plan.

(c) **Evaluation Approach.** The following evaluation approach will be used:

(1) *Technical.* The evaluators will prepare a narrative reflecting the results of their evaluation of the technical proposals and all factors other than price will be combined into a rating of either Acceptable, Unacceptable or Unacceptable but susceptible of being made acceptable.

(2) *Price.* Price will not be scored, numerically weighted, or combined with the technical evaluation factors. The price evaluation will consist of a comparison of the proposed prices contained in the offers received in response to the solicitation.

(3) Proposals which are unrealistic in terms of technical or schedule commitments or unrealistically high or low in price may be deemed reflective of an inherent lack of technical competence, or indicative of a failure to comprehend the cost of the materials and labor required to produce the item to be furnished, and may be grounds for rejection of the proposal. Subjective judgement of the part of the Government evaluators is implicit in the entire process. Throughout the evaluation, the Government will consider "corrective potential" when a deficiency is identified.

(d) **Competitive Acquisition Instructions.**

(1) The provision FAR 52.215-1, "Instructions To Offerors--Competitive Acquisition" is included in Section L of this solicitation. The Government intends to evaluate proposals and award a contract without discussions with offerors (except clarifications as described in FAR 15.306(a)). Therefore, the offeror's initial proposal should contain the offeror's best terms from a price and technical standpoint. However, the Government reserves the right to conduct discussions if the Contracting Officer later determines them to be necessary.

(2) If the Contracting Officer determines that discussions are necessary, and the number of offers that would otherwise be in the competitive range exceeds the number at which an efficient competition can be conducted, the Contracting Officer may limit the number of offers in the competitive range to the greatest number that will permit an efficient competition among the most highly rated proposals.

(e) **Discussion/Final Proposal Revisions.** The Contracting Officer may indicate to, or discuss with, each offeror still being considered for award, deficiencies, significant weaknesses, and other aspects of its proposal that could, in

the opinion of the Contracting Officer, be altered or explained to determine technical acceptability. The scope and extent of discussions are a matter of Contracting Officer judgement. At the conclusion of discussions, each offeror still in the competitive range shall be given an opportunity to submit a final proposal revision. A final cut-off date for receipt of final proposal revisions will be established by the Contracting Officer.

(f) Basis for Contract Award. Award of a contract as a result of this solicitation will be made to the lowest price offer that meets or exceeds the acceptability standards for the technical evaluation factors. The technical evaluation factors that will be used to establish the requirements of technical acceptability are: Technical Capability, Corporate Experience, Inspection/Quality System and Past Performance.

During the technical evaluation, a rating of Acceptable, Unacceptable, or Unacceptable but susceptible of being made acceptable, shall be assigned to each factor. Based on the rating assigned for the individual factors, the technical proposal of each offeror shall be assigned an overall rating of Acceptable, Unacceptable, or Unacceptable, but susceptible of being made acceptable. In order for an offeror's technical proposal to receive an overall rating of Acceptable, it must be rated as Acceptable in each of the factors identified above.